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OM protein - protein search, using sw model

Run on: August 17, 2005, 20:41:50 ; Search time 25 Seconds
(without alignments).
1358.613 Million cell u

Title: US-09-943-664-50

Perfect score:

Sequence: 1 MLHPETSPGRGHLLAVLLAL.....RNRYICQFAOEHI SRWGP GS 455

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Minimum	DB seq	length:
Maximum	DB seq	length: 2000000000

Post-processing: Minimum Match 0%

FOST-PROCESSING: Minimum Match 0% Maximum Match 100%

Maximum Match 100%
Listing first 1500 summaries

Database :

Database : Issued Patents AA:

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6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	2529	100.0	455	4	US-09-866-028-50	Sequence 50, Appl
2	2529	100.0	455	4	US-09-944-457-50	Sequence 50, Appl
3	272	10.8	463	4	US-09-907-794A-285	Sequence 285, App
4	272	10.8	463	4	US-09-905-125A-285	Sequence 285, App
5	272	10.8	463	4	US-09-902-775A-285	Sequence 285, App
6	272	10.8	463	4	US-09-906-7700-285	Sequence 285, App
7	272	10.8	463	4	US-09-903-603A-285	Sequence 285, App
8	272	10.8	463	4	US-09-904-920A-285	Sequence 285, App
9	272	10.8	463	4	US-09-909-064-285	Sequence 285, App
10	272	10.8	463	4	US-09-905-381A-285	Sequence 285, App
11	272	10.8	463	4	US-09-906-618-285	Sequence 285, App
12	267	10.6	270	2	US-08-773-368-1	Sequence 1, Appl
13	267	10.6	270	3	US-09-199-887-1	Sequence 1, Appl
14	259	10.8	258	4	US-09-698-781-3	Sequence 3, Appl
15	232	9.2	219	2	US-08-773-368-3	Sequence 3, Appl
16	232	9.2	219	3	US-09-199-887-3	Sequence 3, Appl
17	231	9.1	266	2	US-08-773-368-4	Sequence 4, Appl
18	231	9.1	266	3	US-09-199-887-4	Sequence 4, Appl
19	222.5	8.8	257	4	US-09-949-016-7490	Sequence 7490, Ap
20	221	8.7	243	4	US-09-541-759-7	Sequence 7, Appl
21	213.5	8.4	249	4	US-09-949-016-6025	Sequence 6025, Ap
22	213.5	8.4	267	4	US-09-949-016-7489	Sequence 7489, Ap
23	212	8.4	1257	1	US-08-340-428B-49	Sequence 49, Appl
24	196	7.8	2409	6	5180808-2	Patent No. 5180808
25	196	7.8	2409	6	5180808-2	Patent No. 5180808
26	189.5	7.5	1455	3	US-08-840-062-5	Sequence 5, Appl
27	185	7.3	151	1	US-08-614-935-28	Sequence 28, Appl

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102	154.5	6.1	721	3	US-08-981-392-5	Sequence 5, Appl	175	141	5.6	685	3	US-08-872-855-2	Sequence 2, Appl
103	154.5	6.1	721	3	US-09-908-322-5	Sequence 5, Appl	176	141	5.6	685	4	US-09-423-753-25	Sequence 25, Appl
104	154	6.1	135	2	US-07-857-224B-103	Sequence 103, Appl	177	141	5.6	685	4	US-09-641-612-7	Sequence 7, Appl
105	154	6.1	721	3	US-08-872-855-5	Sequence 5, Appl	178	141	5.6	1157	4	US-09-949-016-9568	Sequence 9568, Ap
106	153.5	6.1	721	3	US-08-872-855-7	Sequence 7, Appl	179	141	5.6	1219	3	US-08-882-046-5	Sequence 5, Appl
107	153	6.0	138	2	US-07-857-224B-112	Sequence 112, Appl	180	141	5.6	1219	4	US-09-566-047-5	Sequence 5, Appl
108	153	6.0	166	1	US-08-614-935-30	Sequence 30, Appl	181	140.5	5.6	137	2	US-07-857-224B-111	Sequence 111, Appl
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111	152.5	6.0	134	4	US-09-621-976-3902	Sequence 3902, Ap	184	138.5	5.5	1148	3	US-08-882-046-4	Sequence 4, Appl
112	151	6.0	260	4	US-09-638-203-3	Sequence 3, Appl	185	138.5	5.5	1148	4	US-09-566-047-4	Sequence 4, Appl
113	150.5	6.0	1193	2	US-08-400-159-10	Sequence 10, Appl	186	138	5.5	202	4	US-10-000-489-62	Sequence 62, Appl
114	150.5	6.0	1193	3	US-08-611-729A-10	Sequence 10, Appl	187	137.5	5.4	272	4	US-09-949-016-9961	Sequence 9961, Ap
115	150.5	6.0	1193	4	US-09-195-524-10	Sequence 10, Appl	188	137.5	5.4	287	3	US-09-111-470-6	Sequence 6, Appl
116	150.5	6.0	2254	4	US-09-949-016-9270	Sequence 9270, Ap	189	137.5	5.4	287	4	US-09-862-802A-6	Sequence 6, Appl
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118	150	5.9	2471	1	US-08-083-590A-19	Sequence 19, Appl	191	137.5	5.4	454	2	US-08-460-998-10	Sequence 10, Appl
119	150	5.9	2471	3	US-08-532-384-19	Sequence 19, Appl	192	137.5	5.4	1055	3	US-09-214-278-2	Sequence 2, Appl
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121	150	5.9	2471	4	US-09-121-457-1	Sequence 1, Appl	194	137.5	5.4	1212	3	US-09-214-278-3	Sequence 3, Appl
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123	149.5	5.9	382	4	US-09-905-125A-137	Sequence 137, Appl	196	137.5	5.4	1238	3	US-09-214-278-5	Sequence 5, Appl
124	149.5	5.9	382	4	US-09-906-700-137	Sequence 137, Appl	197	137.5	5.4	1238	4	US-09-855-722-5	Sequence 5, Appl
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131	148.5	5.9	129	3	US-08-722-126A-10	Sequence 10, Appl	204	136	5.4	208	4	US-09-535-521-20	Sequence 20, Appl
132	148.5	5.9	129	3	PCT-US95-04258-10	Sequence 10, Appl	205	136	5.4	232	4	US-09-535-521-2	Sequence 2, Appl
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134	146.5	5.8	1479	3	US-08-840-062-2	Sequence 2, Appl	207	136	5.4	1479	3	US-08-840-062-4	Sequence 4, Appl
135	146	5.8	1010	3	US-08-882-046-7	Sequence 7, Appl	208	135.5	5.4	114	6	5514582-14	Patent No. 5514582
136	146	5.8	1010	3	US-09-566-047-7	Sequence 7, Appl	209	135.5	5.4	114	6	5514582-14	Patent No. 5514582
137	146	5.8	1036	3	US-09-068-740A-6	Sequence 6, Appl	210	135.5	5.4	833	1	US-08-364-534-6	Sequence 6, Appl
138	146	5.8	1067	4	US-09-579-536C-18	Sequence 18, Appl	211	135.5	5.4	833	1	US-08-083-590A-2	Sequence 2, Appl
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141	146	5.8	1208	4	US-10-213-329-1	Sequence 1, Appl	214	135.5	5.4	833	2	US-08-346-128-6	Sequence 6, Appl
142	146	5.8	1218	2	US-08-400-159-6	Sequence 6, Appl	215	135.5	5.4	833	3	US-08-532-384-2	Sequence 2, Appl
143	146	5.8	1218	3	US-08-611-729A-6	Sequence 6, Appl	216	135.5	5.4	833	3	US-08-893-828-6	Sequence 6, Appl
144	146	5.8	1218	3	US-08-882-046-2	Sequence 2, Appl	217	135	5.3	1525	3	US-09-191-647-2	Sequence 2, Appl
145	146	5.8	1218	3	US-09-214-278-7	Sequence 7, Appl	218	135	5.3	1525	3	US-09-540-245A-2	Sequence 2, Appl
146	146	5.8	1218	3	US-09-068-740A-11	Sequence 11, Appl	219	135	5.3	1525	3	US-09-540-153-2	Sequence 2, Appl
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150	146	5.8	1218	4	US-09-195-524-6	Sequence 6, Appl	223	134.5	5.3	977	4	US-09-733-764-1	Sequence 1, Appl
151	146	5.8	1218	4	US-09-579-536C-1	Sequence 1, Appl	224	134.5	5.3	1124	1	US-08-323-474-2	Sequence 2, Appl
152	146	5.8	1254	4	US-09-949-016-5902	Sequence 5902, Ap	225	134.5	5.3	1124	4	US-09-949-016-5946	Sequence 5946, Ap
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155	146	5.8	2556	4	US-08-899-232-2	Sequence 2, Appl	228	134.5	5.3	1480	3	US-09-540-245A-7	Sequence 7, Appl
156	146	5.8	2556	4	US-09-121-457-2	Sequence 2, Appl	229	134.5	5.3	1480	3	US-09-540-153-7	Sequence 7, Appl
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159	144	5.7	1139	3	US-08-113-825-4	Sequence 4, Appl	232	133.5	5.3	321	4	US-09-270-767-33762	Sequence 33762, A
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163	143.5	5.7	440	2	US-08-460-998-12	Sequence 12, Appl	236	133.5	5.3	832	4	US-09-908-322-6	Sequence 6, Appl
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168	142	5.6	203	1	US-08-614-935-3	Sequence 3, Appl	241	132.5	5.2	179	1	US-08-650-578-2	Sequence 2, Appl
169	142	5.6	203	3	US-09-130-287-3	Sequence 3, Appl	242	132.5	5.2	179	2	US-08-688-342-3	Sequence 3, Appl
170	141	5.6	202	1	US-08-469-486-56	Sequence 56, Appl	243	132.5	5.2	179	2	US-09-113-788-3	Sequence 3, Appl
171	141	5.6	202	2	US-08-469-486-56	Sequence 56, Appl	244	132.5	5.2	179	3	US-09-113-789-9	Sequence 9, Appl
172	141	5.6	233	4	US-09-216-393B-110	Sequence 110, Appl	245	132.5	5.2	179	4	US-09-919-039-130	Sequence 130, Ap
173	141	5.6	500	4	US-09-423-753-2	Sequence 2, Appl	246	132.5	5.2	179	4	US-09-949-016-6200	Sequence 6200, Ap

247	132.5	5.2	578	3	US-08-981-392-13	Sequence 13, Appl	320	127.5	5.0	1350	4	US-09-893-238-17	Sequence 17, Appl
248	132.5	5.2	578	4	US-09-908-322-13	Sequence 13, Appl	321	127.5	5.0	1429	3	US-09-245-041-130	Sequence 130, App
249	132	5.2	128	4	US-09-535-521-8	Sequence 8, Appl	322	127.5	5.0	1429	4	US-09-358-055B-131	Sequence 131, App
250	131.5	5.2	1101	2	US-08-469-537A-96	Sequence 96, Appl	323	127.5	5.0	2787	3	US-03-245-041-15	Sequence 15, Appl
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253	131	5.2	383	1	US-08-597-545-2	Sequence 2, Appl	326	127	5.0	205	1	US-08-450-944-5	Sequence 5, Appl
254	131	5.2	383	1	US-08-457-135-2	Sequence 2, Appl	327	127	5.0	205	5	PCT-US96-07709-5	Sequence 5, Appl
255	131	5.2	721	3	US-09-949-016-11031	Sequence 11031, A	328	127	5.0	220	4	US-09-541-759-3	Sequence 3, Appl
256	131	5.2	1523	3	US-09-182-024A-2	Sequence 2, Appl	329	127	5.0	220	4	US-08-450-944-2	Sequence 2, Appl
257	131	5.2	1529	4	US-09-312-283C-396	Sequence 396, App	330	127	5.0	221	1	PCT-US96-07709-2	Sequence 2, Appl
258	131	5.2	1799	4	US-09-845-583A-6	Sequence 6, Appl	331	127	5.0	221	5	PCT-US96-07709-2	Sequence 2, Appl
259	131	5.2	3594	4	US-09-911-842A-4	Sequence 4, Appl	332	126.5	5.0	292	4	US-09-248-796A-15095	Sequence 15095, A
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261	130.5	5.2	123	4	US-09-535-521-25	Sequence 25, Appl	334	126.5	5.0	287	1	PCT-US95-04258-7	Sequence 7, Appl
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263	130.5	5.2	1064	3	US-09-113-825-3	Sequence 3, Appl	336	126.5	5.0	300	1	US-08-862-802A-13	Sequence 13, Appl
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265	130.5	5.2	1118	1	US-08-278-089A-2	Sequence 2, Appl	338	126.5	5.0	1404	2	US-08-365-103B-2	Sequence 2, Appl
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267	130.5	5.2	1122	1	US-08-278-089A-6	Sequence 6, Appl	340	126.5	5.0	1404	4	US-08-611-729A-2	Sequence 2, Appl
268	130.5	5.2	1122	2	US-08-838-957A-6	Sequence 6, Appl	341	126.5	5.0	4391	4	US-09-195-524-2	Sequence 2, Appl
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274	129.5	5.1	328	4	US-09-065-040-12	Sequence 12, Appl	347	126	5.0	219	4	US-09-903-603A-377	Sequence 377, App
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283	129.5	5.1	379	4	US-09-906-618-4	Sequence 4, Appl	356	124.5	4.9	1138	2	US-08-220-240A-5	Sequence 5, Appl
284	129.5	5.1	385	1	US-08-597-545-1	Sequence 1, Appl	357	124.5	4.9	1150	4	US-09-949-016-7769	Sequence 7769, Ap
285	129.5	5.1	385	1	US-08-457-135-1	Sequence 1, Appl	358	124.5	4.9	4544	1	US-08-469-486-52	Sequence 52, Appl
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287	129.5	5.1	1810	4	US-08-793-273C-4	Sequence 4, Appl	360	124	4.9	177	1	US-08-181-271A-46	Sequence 46, Appl
288	129.5	5.1	1810	5	PCT-US95-11684-4	Sequence 4, Appl	361	124	4.9	177	1	US-08-449-315-46	Sequence 46, Appl
289	129	5.1	111	6	5514582-11	Patent No. 5514582	362	124	4.9	177	1	US-08-444-803-46	Sequence 46, Appl
290	129	5.1	111	6	5514582-11	Patent No. 5514582	363	124	4.9	177	1	US-08-449-043-46	Sequence 46, Appl
291	129	5.1	299	3	US-09-188-930-192	Sequence 192, App	364	124	4.9	177	1	US-08-456-265A-46	Sequence 46, Appl
292	129	5.1	299	3	US-09-188-930-332	Sequence 332, App	365	124	4.9	177	1	US-08-455-416-46	Sequence 46, Appl
293	129	5.1	299	4	US-09-312-283C-192	Sequence 192, App	366	124	4.9	177	1	US-08-455-244-46	Sequence 46, Appl
294	129	5.1	299	4	US-09-312-283C-332	Sequence 332, App	367	124	4.9	177	1	US-08-454-876-46	Sequence 46, Appl
295	129	5.1	1135	2	US-08-469-537A-97	Sequence 97, Appl	368	124	4.9	177	2	US-08-457-364-46	Sequence 46, Appl
296	128.5	5.1	114	6	5514582-13	Patent No. 5514582	369	124	4.9	177	2	US-08-456-262-46	Sequence 46, Appl
297	128.5	5.1	114	6	5514582-13	Patent No. 5514582	370	124	4.9	177	2	US-08-456-240-46	Sequence 46, Appl
298	128.5	5.1	220	4	US-09-541-759-4	Sequence 4, Appl	371	124	4.9	177	2	US-08-455-736-46	Sequence 46, Appl
299	128.5	5.1	1576	4	US-09-562-702A-24	Sequence 24, Appl	372	124	4.9	177	2	US-08-971-217-46	Sequence 46, Appl
300	128.5	5.1	1576	4	US-09-561-818A-24	Sequence 24, Appl	373	124	4.9	177	3	US-09-350-600-46	Sequence 46, Appl
301	128.5	5.1	1584	4	US-09-562-702A-28	Sequence 28, Appl	374	124	4.9	177	4	US-09-306-234-46	Sequence 46, Appl
302	128.5	5.1	1609	4	US-09-562-702A-22	Sequence 22, Appl	375	123.5	4.9	114	6	5514582-8	Patent No. 5514582
303	128.5	5.1	1609	4	US-09-561-818A-22	Sequence 22, Appl	376	123.5	4.9	114	6	5514582-8	Patent No. 5514582
304	128.5	5.1	1609	4	US-09-538-092-900	Sequence 900, App	377	123.5	4.9	642	3	US-08-872-855-10	Sequence 10, Appl
305	128.5	5.1	1617	4	US-09-562-702A-26	Sequence 26, App	378	123.5	4.9	1068	1	US-08-537-210A-2	Sequence 2, Appl
306	128.5	5.1	3075	2	US-08-460-309-5	Sequence 5, Appl	379	123.5	4.9	1068	3	US-09-113-825-2	Sequence 2, Appl
307	128.5	5.1	3075	2	US-08-125-077-5	Sequence 5, Appl	380	123.5	4.9	1358	1	US-08-404-665-4	Sequence 4, Appl
308	128.5	5.1	3571	4	US-09-911-842A-2	Sequence 2, Appl	381	123.5	4.9	1358	1	US-08-404-671-4	Sequence 4, Appl
309	128	5.1	1572	4	US-09-562-702A-32	Sequence 32, Appl	382	123.5	4.9	1358	1	US-08-404-781-4	Sequence 4, Appl
310	128	5.1	1572	4	US-09-561-818A-28	Sequence 28, Appl	383	123	4.9	124	2	US-07-857-224B-113	Sequence 113, App
311	128	5.1	1605	4	US-09-562-702A-30	Sequence 30, Appl	384	123	4.9	144	4	US-09-949-016-10685	Sequence 10685, A
312	128	5.1	1605	4	US-09-561-818A-26	Sequence 26, Appl	385	123	4.9	166	4	US-09-949-016-6286	Sequence 6286, Ap
313	127.5	5.0	1193	4	US-09-602-877A-99	Sequence 99, Appl	386	123	4.9	204	5	PCT-US96-07709-33	Sequence 33, Appl
314	127.5	5.0	1193	4	US-09-949-016-10498	Sequence 10498, A	387	123	4.9	220	5	PCT-US96-07709-30	Sequence 30, Appl
315	127.5	5.0	1198	3	US-08-245-041-131	Sequence 131, App	388	123	4.9	248	5	PCT-US96-07709-25	Sequence 25, Appl
316	127.5	5.0	1198	3	US-09-794-236-3	Sequence 3, Appl	389	123	4.9	678	1	US-08-282-141-2	Sequence 2, Appl
317	127.5	5.0	1198	4	US-09-358-055B-132	Sequence 132, App	390	123	4.9	678	1	US-08-435-434-2	Sequence 2, Appl
318	127.5	5.0	1350	3	US-09-245-041-17	Sequence 17, Appl	391	123	4.9	678	1	US-08-435-436-2	Sequence 2, Appl
319	127.5	5.0	1350	4	US-09-358-055B-17	Sequence 17, Appl	392	123	4.9	678	2	US-08-438-863-2	Sequence 2, Appl

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394	123	4.9	678	3	US-08-438-862-2	Sequence 2, Appli	467	113.5	4.5	446	1	US-08-307-444A-5	Sequence 5, Appli
395	123	4.9	678	3	US-08-628-747-2	Sequence 2, Appli	468	113.5	4.5	446	1	US-08-587-389-5	Sequence 5, Appli
396	123	4.9	678	3	US-08-402-253-2	Sequence 2, Appli	469	113.5	4.5	456	1	US-08-307-444A-3	Sequence 3, Appli
397	123	4.9	678	3	US-08-443-866B-2	Sequence 2, Appli	470	113.5	4.5	456	1	US-08-307-444A-4	Sequence 4, Appli
398	123	4.9	1935	4	US-09-949-016-10403	Sequence 10403, A	471	113.5	4.5	456	1	US-08-587-389-3	Sequence 3, Appli
399	122.5	4.8	329	4	US-09-248-796A-15096	Sequence 15096, A	472	113.5	4.5	456	1	US-08-587-389-4	Sequence 4, Appli
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401	122.5	4.8	585	4	US-08-641-612-5	Sequence 5, Appli	474	113.5	4.5	475	1	US-08-307-444A-2	Sequence 2, Appli
402	122.5	4.8	1015	1	US-08-537-210A-1	Sequence 1, Appli	475	113.5	4.5	475	1	US-08-587-389-1	Sequence 1, Appli
403	122.5	4.8	1015	3	US-09-113-825-1	Sequence 1, Appli	476	113.5	4.5	475	1	US-08-587-389-2	Sequence 2, Appli
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405	122	4.8	1723	4	US-09-194-612A-31	Sequence 31, Appli	478	113.5	4.5	476	1	US-08-014-723-1	Sequence 1, Appli
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407	121.5	4.8	273	3	US-09-862-802A-10	Sequence 10, Appli	480	113.5	4.5	476	1	US-08-014-723-18	Sequence 18, Appli
408	121.5	4.8	292	2	US-08-688-342-4	Sequence 4, Appli	481	113.5	4.5	476	1	US-08-110-011A-1	Sequence 1, Appli
409	121.5	4.8	292	2	US-09-113-788-4	Sequence 4, Appli	482	113.5	4.5	476	1	US-08-110-011A-2	Sequence 2, Appli
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411	121.5	4.8	735	3	US-09-191-647-9	Sequence 9, Appli	484	113.5	4.5	494	1	US-08-014-723-14	Sequence 14, Appli
412	121.5	4.8	735	3	US-09-540-245A-9	Sequence 9, Appli	485	113.5	4.5	494	1	US-08-014-723-16	Sequence 16, Appli
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414	121.5	4.8	2871	4	US-09-538-092-1076	Sequence 1076, Ap	487	113.5	4.5	494	1	US-08-110-011A-16	Sequence 16, Appli
415	121	4.8	166	2	US-08-729-103-4	Sequence 4, Appli	488	113.5	4.5	497	1	US-08-312-870-3	Sequence 3, Appli
416	121	4.8	174	4	US-09-949-016-10686	Sequence 10686, A	489	113.5	4.5	497	4	US-09-331-793-4	Sequence 4, Appli
417	121	4.8	243	3	US-09-191-647-14	Sequence 14, Appli	490	113.5	4.5	498	2	US-08-733-564-2	Sequence 2, Appli
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419	121	4.8	243	3	US-09-540-153-14	Sequence 14, Appli	492	113.5	4.5	516	4	US-09-509-994-2	Sequence 2, Appli
420	121	4.8	404	3	US-09-517-605-2	Sequence 2, Appli	493	113.5	4.5	575	1	US-08-261-206A-59	Sequence 59, Appli
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422	119.5	4.7	114	6	5514582-10	Patent No. 5514582	495	113.5	4.5	575	4	US-09-880-484D-2	Sequence 2, Appli
423	119.5	4.7	114	6	5514582-10	Patent No. 5514582	496	113.5	4.5	575	4	US-10-438-648-2	Sequence 2, Appli
424	119	4.7	196	3	US-08-981-392-35	Sequence 35, Appli	497	113.5	4.5	575	6	5466668-6	Patent No. 5466668
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426	118.5	4.7	323	4	US-09-065-040-4	Sequence 4, Appli	499	113	4.5	276	4	US-09-908-322-43	Sequence 43, Appli
427	118.5	4.7	323	4	US-09-949-016-6294	Sequence 6294, Ap	500	113	4.5	376	4	US-09-248-796A-15097	Sequence 15097, A
428	118.5	4.7	1260	3	US-09-245-041-2	Sequence 2, Appli	501	112.5	4.4	110	6	5514582-12	Patent No. 5514582
429	118.5	4.7	1260	4	US-09-358-055B-2	Sequence 2, Appli	502	112.5	4.4	110	6	5514582-12	Patent No. 5514582
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431	118.5	4.7	1260	4	US-09-949-016-7517	Sequence 7517, Ap	504	112.5	4.4	810	3	US-09-055-699-34	Sequence 34, Appli
432	118.5	4.7	3070	4	US-09-961-403-7	Sequence 7, Appli	505	112.5	4.4	810	3	US-09-273-565-34	Sequence 34, Appli
433	118.5	4.7	3084	4	US-09-562-702A-12	Sequence 12, Appli	506	112.5	4.4	810	3	US-09-565-538-34	Sequence 34, Appli
434	118.5	4.7	3088	4	US-09-562-702A-8	Sequence 8, Appli	507	112.5	4.4	810	3	US-09-565-538-34	Sequence 34, Appli
435	118.5	4.7	3089	4	US-09-562-702A-4	Sequence 4, Appli	508	112.5	4.4	810	3	US-09-565-538-34	Sequence 34, Appli
436	118.5	4.7	3106	4	US-09-562-702A-10	Sequence 10, Appli	509	112	4.4	165	2	US-09-976-165-34	Sequence 34, Appli
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439	118.5	4.7	3110	4	US-09-561-709B-7	Sequence 7, Appli	512	112	4.4	165	2	US-08-709-662-7	Sequence 7, Appli
440	118.5	4.7	3110	4	US-09-917-254-86	Sequence 86, Appli	513	112	4.4	179	4	US-09-148-545-177	Sequence 177, App
441	118.5	4.7	3110	4	US-09-949-016-5937	Sequence 5937, Ap	514	112	4.4	192	3	US-08-981-392-65	Sequence 65, Appli
442	118.5	4.7	3111	2	US-08-460-309-4	Sequence 4, Appli	515	112	4.4	192	4	US-09-908-322-65	Sequence 65, Appli
443	118.5	4.7	3111	2	US-08-125-077-4	Sequence 4, Appli	516	112	4.4	771	3	US-09-312-283C-183	Sequence 183, App
444	117.5	4.6	652	2	US-08-751-305-2	Sequence 2, Appli	517	111.5	4.4	3647	4	US-09-188-930-183	Sequence 183, App
445	117	4.6	214	4	US-09-257-583-15	Sequence 15, Appli	518	111	4.4	816	2	US-09-949-016-10932	Sequence 10932, A
446	116.5	4.6	994	4	US-10-164-595-38	Sequence 38, Appli	519	111	4.4	816	3	US-08-820-170A-37	Sequence 37, Appli
447	116.5	4.6	1854	4	US-09-949-016-11625	Sequence 11625, A	520	111	4.4	816	3	US-09-055-699-37	Sequence 37, Appli
448	116	4.6	174	1	US-07-641-971B-1	Sequence 1, Appli	521	111	4.4	816	3	US-09-273-565-37	Sequence 37, Appli
449	116	4.6	174	1	US-07-781-248A-1	Sequence 1, Appli	522	111	4.4	816	3	US-09-565-538-37	Sequence 37, Appli
450	116	4.6	320	1	US-08-365-103B-10	Sequence 10, Appli	523	111	4.4	816	3	US-09-661-468-37	Sequence 37, Appli
451	116	4.6	321	1	US-08-365-103B-8	Sequence 8, Appli	524	110.5	4.4	158	2	US-09-976-165-37	Sequence 1, Appli
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455	114.5	4.5	1326	4	US-09-949-016-6806	Sequence 6806, Ap	528	110	4.3	157	3	PCT-US95-07169-2	Sequence 2, Appli
456	114.5	4.5	1339	4	US-09-949-016-10448	Sequence 10448, A	529	110	4.3	157	4	US-08-981-392-68	Sequence 68, Appli
457	114.5	4.5	1478	4	US-09-949-016-8315	Sequence 8315, Ap	530	110	4.3	375	4	US-09-908-322-68	Sequence 29, Appli
458	114	4.5	593	1	US-07-668-648-4	Sequence 4, Appli	531	110	4.3	380	4	US-09-302-32-29	Sequence 29, Appli
459	114	4.5	593	2	US-08-429-998-4	Sequence 4, Appli	532	110	4.3	1171	1	US-09-205-258-441	Sequence 441, App
460	114	4.5	593	5	PCT-US91-02321-4	Sequence 4, Appli	533	110	4.3	1798	4	US-08-445-135-1	Sequence 1, Appli
461	114	4.5	613	4	US-09-949-016-9775	Sequence 9775, Ap	534	109.5	4.3	248	4	US-09-561-709B-11	Sequence 11, Appli
462	114	4.5	613	4	US-08-054-077C-2	Sequence 2, Appli	535	109.5	4.3	248	4	US-09-600-932-28	Sequence 28, Appli
463	114	4.5	799	1	US-08-054-077C-2	Sequence 2, Appli	536	109.5	4.3	251	4	US-09-949-016-6612	Sequence 6612, Ap
464	114	4.5	1587	4	US-09-845-583A-10	Sequence 10, Appli	537	109.5	4.3	251	4	US-09-949-016-8481	Sequence 8481, Ap
465	114	4.5	1587	4	US-09-561-709B-3	Sequence 3, Appli	538	109.5	4.3	259	4	US-09-949-016-9058	Sequence 9058, Ap

539	109.5	4.3	2211	3	US-09-738-884-1	Sequence 1, Appli	612	104	4.1	194	4	US-09-312-283C-335	Sequence 335, App
540	109.5	4.3	2211	3	US-10-096-961A-1	Sequence 1, Appli	613	104	4.1	460	6	5270178-16	Patent No. 5270178
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542	109	4.3	593	4	US-09-813-156-17	Sequence 17, Appl	615	104	4.1	463	2	US-08-162-402B-9	Sequence 9, Appli
543	109	4.3	593	4	US-09-456-886-17	Sequence 17, Appl	616	104	4.1	908	4	US-08-714-741-44	Sequence 44, Appl
544	109	4.3	593	4	US-09-824-647-17	Sequence 17, Appl	617	104	4.1	1725	4	US-09-560-385A-10	Sequence 10, Appl
545	109	4.3	784	4	US-09-949-016-9467	Sequence 9467, Ap	618	103.5	4.1	768	1	US-08-454-455-4	Sequence 4, Appli
546	109	4.3	3460	3	US-09-334-220-1	Sequence 1, Appli	619	103.5	4.1	1111	1	US-08-317-450B-15	Sequence 15, Appl
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549	108	4.3	495	4	US-10-006-011A-4	Sequence 4, Appli	622	103.5	4.1	1172	4	US-09-560-385A-32	Sequence 32, Appl
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551	107.5	4.3	178	4	US-09-706-722A-7	Sequence 7, Appli	624	103.5	4.1	1193	3	US-08-800-593-13	Sequence 13, Appl
552	107.5	4.3	577	2	US-07-728-215-29	Sequence 29, Appl	625	103.5	4.1	1193	4	US-09-560-385A-26	Sequence 26, Appl
553	107.5	4.3	577	3	US-08-938-085A-29	Sequence 29, Appl	626	103.5	4.1	1193	4	US-09-560-385A-30	Sequence 30, Appl
554	107.5	4.3	577	4	US-10-072-844-29	Sequence 29, Appl	627	103	4.1	122	3	US-08-723-126A-9	Sequence 9, Appli
555	107.5	4.3	577	4	US-10-072-838-29	Sequence 29, Appl	628	103	4.1	122	5	PCT-US95-04258A-9	Sequence 9, Appli
556	107.5	4.3	577	4	US-10-072-841A-29	Sequence 29, Appl	629	103	4.1	122	5	PCT-US95-04258A-15094	Sequence 15094, A
557	107.5	4.3	577	4	US-10-219-631A-29	Sequence 29, Appl	630	103	4.1	139	4	US-09-248-796A-15094	Sequence 15094, A
558	107.5	4.3	757	4	US-09-949-016-6963	Sequence 6963, Ap	631	103	4.1	575	4	US-09-482-273-159	Sequence 159, App
559	107.5	4.3	758	4	US-09-949-016-8087	Sequence 8087, Ap	632	103	4.1	614	4	US-09-949-016-8536	Sequence 8536, Ap
560	107.5	4.3	769	2	US-08-789-078-1	Sequence 1, Appli	633	103	4.1	638	4	US-09-482-273-245	Sequence 245, App
561	107.5	4.3	769	2	US-08-752-633-1	Sequence 1, Appli	634	103	4.1	788	2	US-07-728-215-27	Sequence 27, Appl
562	107.5	4.3	769	2	US-08-476-062A-45	Sequence 45, Appl	635	103	4.1	788	3	US-08-938-085A-27	Sequence 27, Appl
563	107.5	4.3	769	2	US-07-728-215-31	Sequence 31, Appl	636	103	4.1	788	4	US-10-072-844-27	Sequence 27, Appl
564	107.5	4.3	769	3	US-08-938-085A-31	Sequence 31, Appl	637	103	4.1	788	4	US-10-072-838-27	Sequence 27, Appl
565	107.5	4.3	769	4	US-10-072-844-31	Sequence 31, Appl	638	103	4.1	788	4	US-10-072-841A-27	Sequence 27, Appl
566	107.5	4.3	769	4	US-10-072-838-31	Sequence 31, Appl	639	103	4.1	788	4	US-10-219-631A-27	Sequence 27, Appl
567	107.5	4.3	769	4	US-10-072-841A-31	Sequence 31, Appl	640	103	4.1	794	4	US-09-949-016-10746	Sequence 10746, A
568	107.5	4.3	769	4	US-10-219-631A-31	Sequence 31, Appl	641	103	4.1	1147	1	US-08-144-121-3	Sequence 3, Appli
569	107.5	4.3	769	5	PCT-US95-04886-1	Sequence 1, Appli	642	103	4.1	1147	2	US-08-735-893-3	Sequence 3, Appli
570	107.5	4.3	769	5	PCT-US96-01314-45	Sequence 45, Appl	643	103	4.1	1165	2	US-08-144-121-2	Sequence 2, Appli
571	107	4.2	718	1	US-08-444-792-4	Sequence 4, Appli	644	102.5	4.1	1165	2	US-08-735-893-2	Sequence 2, Appli
572	107	4.2	718	1	US-08-445-042-4	Sequence 4, Appli	645	102.5	4.1	351	3	US-09-245-041-11	Sequence 11, Appl
573	107	4.2	788	2	US-07-728-215-32	Sequence 32, Appl	646	102.5	4.1	351	4	US-09-358-055B-11	Sequence 11, Appl
574	107	4.2	788	3	US-08-938-085A-32	Sequence 32, Appl	647	102.5	4.1	351	4	US-03-893-238-11	Sequence 11, Appl
575	107	4.2	788	3	US-09-409-648-3	Sequence 3, Appli	648	102.5	4.1	409	3	US-09-065-872-2	Sequence 2, Appli
576	107	4.2	788	3	US-09-409-648-4	Sequence 4, Appli	649	102.5	4.1	409	3	US-09-667-570A-2	Sequence 2, Appli
577	107	4.2	788	4	US-10-072-844-32	Sequence 32, Appl	650	102.5	4.1	410	3	US-09-065-872-1	Sequence 1, Appli
578	107	4.2	788	4	US-10-072-838-32	Sequence 32, Appl	651	102.5	4.1	410	4	US-09-667-570A-1	Sequence 1, Appli
579	107	4.2	788	4	US-10-072-841A-32	Sequence 32, Appl	652	102.5	4.1	419	1	US-08-295-411-1	Sequence 1, Appli
580	107	4.2	788	4	US-09-054-272-8	Sequence 8, Appli	653	102.5	4.1	419	2	US-08-955-471-1	Sequence 1, Appli
581	107	4.2	788	4	US-09-054-272-44	Sequence 44, Appl	654	102.5	4.1	419	2	US-09-667-570A-3	Sequence 3, Appli
582	107	4.2	788	4	US-10-219-631A-32	Sequence 32, Appl	655	102.5	4.1	419	4	US-10-182-263-3	Sequence 3, Appli
583	107	4.2	788	4	US-09-949-016-5901	Sequence 5901, Ap	656	102.5	4.1	419	4	US-10-182-263-4	Sequence 4, Appli
584	106.5	4.2	157	3	US-08-872-855-6	Sequence 6, Appli	657	102.5	4.1	419	4	US-10-182-263-5	Sequence 5, Appli
585	106.5	4.2	655	1	US-08-148-910-12	Sequence 12, Appl	658	102.5	4.1	419	4	US-10-182-263-6	Sequence 6, Appli
586	106.5	4.2	655	1	US-08-448-937A-12	Sequence 6, Appli	659	102.5	4.1	419	5	PCT-US92-10242-1	Sequence 1, Appli
587	106.5	4.2	700	4	US-08-933-711B-6	Sequence 6, Appli	660	102.5	4.1	460	2	US-08-756-506-2	Sequence 2, Appli
588	106.5	4.2	999	4	US-09-747-371-2	Sequence 7, Appli	661	102.5	4.1	460	2	US-08-756-506-4	Sequence 4, Appli
589	106	4.2	72	1	US-08-450-944-7	Sequence 7, Appli	662	102.5	4.1	460	6	5270178-13	Patent No. 5270178
590	106	4.2	72	5	PCT-US96-07709-7	Sequence 7, Appli	663	102.5	4.1	460	6	5270178-14	Patent No. 5270178
591	106	4.2	160	3	US-09-191-647-5	Sequence 5, Appli	664	102.5	4.1	460	6	5270178-15	Patent No. 5270178
592	106	4.2	160	3	US-09-540-245A-5	Sequence 5, Appli	665	102.5	4.1	460	6	5270178-13	Patent No. 5270178
593	106	4.2	160	3	US-09-540-153-5	Sequence 5, Appli	666	102.5	4.1	460	6	5270178-14	Patent No. 5270178
594	106	4.2	492	3	US-09-724-864-39	Sequence 39, Appl	667	102.5	4.1	460	6	5270178-15	Patent No. 5270178
595	106	4.2	1761	4	US-09-561-709B-1	Sequence 1, Appli	668	102.5	4.1	461	4	US-10-182-263-2	Sequence 2, Appli
596	105.5	4.2	238	4	US-08-450-482B-117	Sequence 117, App	669	102.5	4.1	461	4	US-09-054-272-32	Sequence 32, Appl
597	105.5	4.2	575	1	US-08-170-290A-54	Sequence 54, Appl	670	102.5	4.1	461	4	US-09-949-016-5921	Sequence 5921, Ap
598	105.5	4.2	3635	4	US-09-845-583A-2	Sequence 2, Appli	671	102.5	4.1	461	6	5225537-2	Patent No. 5225537
599	105	4.2	197	4	US-09-370-838-206	Sequence 206, App	672	102.5	4.1	461	6	5270178-2	Patent No. 5270178
600	105	4.2	197	4	US-09-854-133-206	Sequence 206, App	673	102.5	4.1	461	6	5270178-17	Patent No. 5270178
601	105	4.2	227	4	US-08-450-482B-125	Sequence 125, App	674	102.5	4.1	461	6	5270178-18	Patent No. 5270178
602	105	4.2	229	4	US-08-450-482B-127	Sequence 127, App	675	102.5	4.1	461	6	5460953-3	Patent No. 5460953
603	105	4.2	961	4	PCT-US97-472-4	Sequence 4, Appli	676	102.5	4.1	461	6	5225537-2	Patent No. 5225537
604	105	4.2	961	5	PCT-US93-11725-4	Sequence 4, Appli	677	102.5	4.1	461	6	5270178-2	Patent No. 5270178
605	104.5	4.1	238	3	US-09-111-470-8	Sequence 8, Appli	678	102.5	4.1	461	6	5270178-17	Patent No. 5270178
606	104.5	4.1	238	4	US-09-862-802A-8	Sequence 8, Appli	679	102.5	4.1	461	6	5270178-18	Patent No. 5270178
607	104.5	4.1	1656	4	US-09-949-016-7247	Sequence 7247, Ap	680	102.5	4.1	461	6	5460953-3	Patent No. 5460953
608	104.5	4.1	1798	4	US-09-845-583A-8	Sequence 8, Appli	681	102.5	4.1	798	2	US-07-728-215-30	Sequence 30, Appl
609	104.5	4.1	1798	4	US-09-917-254-87	Sequence 87, Appli	682	102.5	4.1	798	3	US-08-938-085A-30	Sequence 30, Appl
610	104.5	4.1	1821	4	US-09-949-016-5938	Sequence 5938, Ap	683	102.5	4.1	798	4	US-10-072-844-30	Sequence 30, Appl
611	104	4.1	194	3	US-09-188-930-335	Sequence 335, App	684	102.5	4.1	798	4	US-10-072-838-30	Sequence 30, Appl

685	102.5	4.1	798	4	US-10-072-841A-30	Sequence 30, Appl	758	99	3.9	80	3	US-09-051-624A-2	Sequence 2, Appl
686	102.5	4.1	798	4	US-10-219-631A-30	Sequence 30, Appl	759	99	3.9	120	1	US-08-274-661B-37	Sequence 37, Appl
687	102.5	4.1	798	4	US-09-949-016-6193	Sequence 6193, Ap	760	99	3.9	177	2	US-08-465-794-17	Sequence 17, Appl
688	102.5	4.1	2732	4	US-09-086-436-30	Sequence 30, Appl	761	99	3.9	177	3	US-09-049-813-17	Sequence 17, Appl
689	102	4.0	156	4	US-09-257-583-7	Sequence 7, Appl	762	99	3.9	199	5	PCT-US93-10418-4	Sequence 4, Appl
690	102	4.0	572	6	5256770-7	Patent No. 5256770	763	99	3.9	228	4	US-09-270-767-43579	Sequence 43579, A
691	102	4.0	572	6	5256770-7	Patent No. 5256770	764	99	3.9	321	4	US-09-270-767-45035	Sequence 45035, A
692	102	4.0	790	4	US-09-949-016-7017	Sequence 7017, Ap	765	99	3.9	610	1	US-08-365-470-3	Sequence 3, Appl
693	102	4.0	790	4	US-09-949-016-8169	Sequence 8169, Ap	766	99	3.9	610	1	US-08-365-470-3	Sequence 19, Appl
694	102	4.0	790	4	US-09-949-016-8170	Sequence 8170, Ap	767	99	3.9	610	3	US-09-009-490A-89	Sequence 8, Appl
695	102	4.0	1417	3	US-08-900-230-3	Sequence 3, Appl	768	99	3.9	610	4	US-09-949-016-5942	Sequence 5942, Ap
696	102	4.0	5405	3	US-08-718-388-9	Sequence 9, Appl	769	99	3.9	610	6	5217870-2	Patent No. 5217870
697	101.5	4.0	448	2	US-08-884-072-1	Sequence 1, Appl	770	99	3.9	610	6	5217870-2	Patent No. 5217870
698	101.5	4.0	448	2	US-09-212-168-1	Sequence 1, Appl	771	99	3.9	696	4	US-08-933-711B-7	Sequence 7, Appl
699	101.5	4.0	448	4	US-09-409-096-4	Sequence 4, Appl	772	99	3.9	965	4	US-09-538-092-650	Sequence 650, App
700	101.5	4.0	504	4	US-09-949-016-7403	Sequence 7403, Ap	773	99	3.9	4302	3	US-08-558-136-5	Sequence 5, Appl
701	101.5	4.0	663	4	US-08-933-711B-16	Sequence 16, Appl	774	98.5	3.9	78	1	US-08-264-534-2	Sequence 2, Appl
702	101	4.0	320	3	US-09-183-861-22	Sequence 22, Appl	775	98.5	3.9	78	1	US-08-083-590A-15	Sequence 15, Appl
703	101	4.0	320	3	US-09-183-861-22	Sequence 55, Appl	776	98.5	3.9	78	1	US-08-465-500-2	Sequence 2, Appl
704	101	4.0	320	3	US-09-022-765-22	Sequence 22, Appl	777	98.5	3.9	78	2	US-08-346-126-2	Sequence 2, Appl
705	101	4.0	320	3	US-09-022-765-22	Sequence 55, Appl	778	98.5	3.9	78	2	US-08-346-126-2	Sequence 2, Appl
706	101	4.0	320	4	US-09-551-974A-22	Sequence 22, Appl	779	98.5	3.9	78	3	US-08-532-384-15	Sequence 15, Appl
707	101	4.0	320	4	US-09-551-974A-22	Sequence 55, Appl	780	98.5	3.9	78	3	US-08-532-384-15	Sequence 2, Appl
708	101	4.0	320	4	US-09-551-974A-22	Sequence 22, Appl	781	98.5	3.9	174	2	US-08-401-530A-6	Sequence 6, Appl
709	101	4.0	320	4	US-09-565-501A-55	Sequence 55, Appl	782	98.5	3.9	234	3	US-08-709-662-6	Sequence 6, Appl
710	101	4.0	320	4	US-09-639-206A-22	Sequence 22, Appl	783	98.5	3.9	234	3	US-09-040-483-5	Sequence 5, Appl
711	101	4.0	320	4	US-09-639-206A-55	Sequence 55, Appl	784	98.5	3.9	234	4	US-08-740-036-5	Sequence 5, Appl
712	101	4.0	320	4	US-09-874-923-22	Sequence 22, Appl	785	98.5	3.9	234	2	US-08-460-309-19	Sequence 19, Appl
713	101	4.0	320	4	US-09-874-923-22	Sequence 55, Appl	786	98.5	3.9	314	2	US-08-125-077-19	Sequence 19, Appl
714	101	4.0	320	4	US-08-798-841-22	Sequence 22, Appl	787	98.5	3.9	325	4	US-09-949-016-11467	Sequence 11467, A
715	101	4.0	673	1	US-08-282-141-3	Sequence 3, Appl	788	98.5	3.9	325	4	US-09-949-016-11468	Sequence 11468, A
716	101	4.0	673	1	US-08-435-436-1	Sequence 1, Appl	789	98.5	3.9	352	4	US-09-949-016-8273	Sequence 8273, Ap
717	101	4.0	673	1	US-08-435-436-1	Sequence 1, Appl	790	98.5	3.9	352	4	US-09-949-016-8274	Sequence 8274, Ap
718	101	4.0	673	2	US-08-438-863-1	Sequence 1, Appl	791	98.5	3.9	353	4	US-09-482-273-243	Sequence 243, App
719	101	4.0	673	2	US-08-438-864-1	Sequence 1, Appl	792	98.5	3.9	387	2	US-08-884-072-5	Sequence 5, Appl
720	101	4.0	673	3	US-08-438-862-1	Sequence 1, Appl	793	98.5	3.9	387	2	US-08-833-963C-9	Sequence 9, Appl
721	101	4.0	673	3	US-08-628-747-1	Sequence 1, Appl	794	98.5	3.9	387	3	US-08-980-514-3	Sequence 3, Appl
722	101	4.0	673	3	US-08-628-747-1	Sequence 1, Appl	795	98.5	3.9	387	3	US-09-212-168-5	Sequence 5, Appl
723	101	4.0	673	3	US-08-443-866B-1	Sequence 1, Appl	796	98.5	3.9	387	4	US-09-409-096-2	Sequence 2, Appl
724	101	4.0	676	3	US-08-630-172-10	Sequence 10, Appl	797	98.5	3.9	433	4	US-09-322-357-1	Sequence 1, Appl
725	101	4.0	676	3	US-09-375-419-10	Sequence 10, Appl	798	98.5	3.9	857	2	US-08-559-251-2	Sequence 2, Appl
726	101	4.0	709	4	US-09-874-923-121	Sequence 121, App	799	98.5	3.9	857	2	US-09-356-490-2	Sequence 2, Appl
727	101	4.0	781	4	US-09-949-016-6959	Sequence 6959, Ap	800	98.5	3.9	857	5	PCT-US96-11445-2	Patent No. 5514582
728	101	4.0	970	4	US-09-949-016-10131	Sequence 10131, A	801	98	3.9	117	6	5514582-15	Patent No. 5514582
729	101	4.0	1106	4	US-09-949-016-9626	Sequence 9626, Ap	802	98	3.9	117	6	5514582-15	Patent No. 5514582
730	101	4.0	4302	3	US-09-052-469-8	Sequence 8, Appl	803	98	3.9	448	4	US-09-949-016-10130	Sequence 10130, A
731	101	4.0	4302	4	US-08-422-582-8	Sequence 8, Appl	804	97.5	3.9	277	4	US-09-600-932-2	Sequence 2, Appl
732	101	4.0	4302	4	US-09-052-262-8	Sequence 8, Appl	805	97.5	3.9	638	2	US-08-897-443-1	Sequence 1, Appl
733	101	4.0	4303	2	US-08-460-751-2	Sequence 2, Appl	806	97.5	3.9	677	4	US-09-949-016-11369	Sequence 11369, A
734	101	4.0	4303	4	US-09-479-467A-2	Sequence 2, Appl	807	97.5	3.9	677	4	US-09-949-016-11370	Sequence 11370, A
735	101	4.0	4339	3	US-09-052-469-6	Sequence 6, Appl	808	97.5	3.9	677	4	US-09-949-016-11371	Sequence 11371, A
736	101	4.0	4339	4	US-08-422-582-6	Sequence 6, Appl	809	97.5	3.9	677	4	US-09-949-016-11372	Sequence 11372, A
737	101	4.0	4339	4	US-09-052-262-6	Sequence 6, Appl	810	97.5	3.9	963	4	US-09-949-016-11519	Sequence 11519, A
738	100.5	4.0	1461	4	US-10-142-231-86	Sequence 86, Appl	811	97.5	3.9	963	4	US-09-949-016-11520	Sequence 11520, A
739	100	4.0	243	2	US-08-460-309-15	Sequence 15, Appl	812	97.5	3.9	1073	4	US-09-949-016-9771	Sequence 9771, Ap
740	100	4.0	243	2	US-08-125-077-15	Sequence 15, Appl	813	97.5	3.9	2088	4	US-09-548-372D-13	Sequence 13, Appl
741	100	4.0	244	3	US-08-712-440-2	Sequence 2, Appl	814	97.5	3.9	2088	4	US-09-548-367D-13	Sequence 13, Appl
742	100	4.0	592	4	US-08-933-711B-18	Sequence 18, Appl	815	97.5	3.9	2088	4	US-09-551-853D-13	Sequence 13, Appl
743	100	4.0	871	3	US-09-245-041-19	Sequence 19, Appl	816	97.5	3.9	2088	4	US-09-548-373D-13	Sequence 13, Appl
744	100	4.0	871	4	US-09-358-055B-19	Sequence 19, Appl	817	97.5	3.9	2088	4	US-09-548-373D-13	Sequence 13, Appl
745	100	4.0	871	4	US-09-893-238-19	Sequence 19, Appl	818	97.5	3.9	2088	4	US-09-548-366F-13	Sequence 13, Appl
746	100	4.0	1694	4	US-09-560-385A-12	Sequence 12, Appl	819	97.5	3.9	2088	4	US-09-548-368D-13	Sequence 13, Appl
747	99.5	3.9	154	3	US-09-191-647-10	Sequence 10, Appl	820	97	3.8	110	6	5514582-9	Patent No. 5514582
748	99.5	3.9	154	3	US-09-540-245A-10	Sequence 10, Appl	821	97	3.8	110	6	5514582-9	Patent No. 5514582
749	99.5	3.9	154	3	US-09-540-153-10	Sequence 10, Appl	822	97	3.8	135	4	US-09-898-554-18	Sequence 18, Appl
750	99.5	3.9	238	4	US-09-004-730A-112	Sequence 112, App	823	97	3.8	201	4	US-09-898-554-16	Sequence 16, Appl
751	99.5	3.9	238	4	US-08-981-799A-112	Sequence 112, App	824	97	3.8	363	4	US-09-898-554-20	Sequence 20, Appl
752	99.5	3.9	242	4	US-09-004-730A-119	Sequence 119, App	825	97	3.8	787	4	US-10-000-489-70	Sequence 70, Appl
753	99.5	3.9	242	4	US-08-981-799A-119	Sequence 119, App	826	97	3.8	759	2	US-08-525-940-23	Sequence 23, Appl
754	99.5	3.9	264	4	US-09-004-730A-115	Sequence 115, App	827	97	3.8	799	2	US-08-976-838-23	Sequence 23, Appl
755	99.5	3.9	264	4	US-08-981-799A-115	Sequence 115, App	828	97	3.8	881	2	US-08-525-940-21	Sequence 21, Appl
756	99.5	3.9	2476	2	US-08-276-967-2	Sequence 2, Appl	829	97	3.8	881	2	US-08-976-838-21	Sequence 21, Appl
757	99	3.9	80	3	US-08-663-191A-3	Sequence 3, Appl	830	97	3.8	915	2	US-08-525-940-18	Sequence 18, Appl

831	97	3.8	915	2	US-08-976-838-18	Sequence 18, Appl	904	95.5	3.8	846	4	US-10-072-838-33	Sequence 33, Appl
832	97	3.8	915	3	US-09-214-555B-2	Sequence 2, Appli	905	95.5	3.8	846	4	US-10-072-841A-33	Sequence 33, Appl
833	97	3.8	915	3	US-09-214-555B-7	Sequence 7, Appli	906	95.5	3.8	846	4	US-10-219-631A-33	Sequence 33, Appl
834	97	3.8	1436	4	US-09-578-063-78	Sequence 78, Appl	907	95.5	3.8	910	4	US-09-902-540-10793	Sequence 10793, A
835	97	3.8	1586	4	US-09-060-293-44	Sequence 44, Appl	908	95.5	3.8	956	4	US-09-949-016-6215	Sequence 6215, Ap
836	97	3.8	1586	4	US-09-402-923A-44	Sequence 44, Appl	909	95.5	3.8	1049	4	US-09-538-092-72	Sequence 72, Appl
837	97	3.8	1614	4	US-09-060-293-42	Sequence 42, Appl	910	95.5	3.8	2594	3	US-08-718-388-7	Sequence 7, Appli
838	97	3.8	1614	4	US-09-402-923A-42	Sequence 42, Appl	911	95.5	3.8	5179	4	US-09-538-092-1258	Sequence 1258, Ap
839	97	3.8	1882	3	US-09-369-364A-13	Sequence 13, Appl	912	95	3.8	198	4	US-09-902-540-15333	Sequence 15333, A
840	96.5	3.8	247	4	US-09-270-767-45893	Sequence 45893, A	913	95	3.8	241	2	US-08-460-309-17	Sequence 17, Appl
841	96.5	3.8	291	2	US-08-688-342-5	Sequence 5, Appli	914	95	3.8	241	2	US-08-143-077-17	Sequence 17, Appl
842	96.5	3.8	291	2	US-09-111-788-5	Sequence 5, Appli	915	95	3.8	350	2	US-08-999-811-4	Sequence 4, Appli
843	96.5	3.8	291	3	US-09-111-470-5	Sequence 5, Appli	916	95	3.8	350	2	US-08-824-996-2	Sequence 2, Appli
844	96.5	3.8	291	4	US-09-862-802A-5	Sequence 5, Appli	917	95	3.8	350	3	US-09-042-105-4	Sequence 4, Appli
845	96.5	3.8	296	4	US-09-489-847-293	Sequence 293, App	918	95	3.8	350	3	US-08-510-133A-33	Sequence 33, Appl
846	96.5	3.8	311	4	US-09-949-016-9962	Sequence 9962, Ap	919	95	3.8	350	3	US-08-585-895-33	Sequence 33, Appl
847	96.5	3.8	335	4	US-09-312-283C-186	Sequence 186, App	920	95	3.8	350	4	US-10-084-488-4	Sequence 4, Appli
848	96.5	3.8	347	4	US-09-636-215-590	Sequence 590, App	921	95	3.8	419	2	US-08-999-811-2	Sequence 2, Appli
849	96.5	3.8	347	4	US-09-685-166A-590	Sequence 590, App	922	95	3.8	419	3	US-09-042-105-2	Sequence 2, Appli
850	96.5	3.8	347	4	US-09-679-426-590	Sequence 590, App	923	95	3.8	419	3	US-09-042-105-18	Sequence 18, Appl
851	96.5	3.8	347	4	US-09-759-143-591	Sequence 590, App	924	95	3.8	419	3	US-08-795-430-8	Sequence 8, Appli
852	96.5	3.8	347	4	US-09-651-236-590	Sequence 590, App	925	95	3.8	419	3	US-08-510-133A-35	Sequence 35, Appl
853	96.5	3.8	374	2	US-08-820-170A-25	Sequence 25, Appl	926	95	3.8	419	3	US-09-355-700-8	Sequence 8, Appli
854	96.5	3.8	374	3	US-09-055-699-25	Sequence 25, Appl	927	95	3.8	419	3	US-09-355-700-58	Sequence 58, Appl
855	96.5	3.8	374	3	US-09-273-565-25	Sequence 25, Appl	928	95	3.8	419	4	US-08-601-132-33	Sequence 33, Appl
856	96.5	3.8	374	3	US-09-565-538-25	Sequence 25, Appl	929	95	3.8	419	4	US-08-706-054A-3	Sequence 3, Appli
857	96.5	3.8	374	3	US-09-661-468-25	Sequence 25, Appl	930	95	3.8	419	4	US-09-313-299-3	Sequence 3, Appli
858	96.5	3.8	374	4	US-09-976-185-25	Sequence 25, Appl	931	95	3.8	419	4	US-08-455-568-2	Sequence 2, Appli
859	96.5	3.8	374	4	US-09-227-853A-2	Sequence 2, Appli	932	95	3.8	419	4	US-08-671-573B-33	Sequence 33, Appl
860	96.5	3.8	374	5	PCT-US95-06385-2	Sequence 2, Appli	933	95	3.8	419	4	US-09-438-046-14	Sequence 14, Appl
861	96.5	3.8	482	4	US-08-933-711B-8	Sequence 8, Appli	934	95	3.8	419	4	US-09-631-092B-33	Sequence 33, Appl
862	96.5	3.8	505	1	US-08-220-603A-10	Sequence 10, Appl	935	95	3.8	419	4	US-10-084-488-2	Sequence 2, Appli
863	96.5	3.8	657	4	US-09-949-016-11365	Sequence 11365, A	936	95	3.8	419	4	US-10-084-488-18	Sequence 18, Appl
864	96.5	3.8	657	4	US-09-949-016-11366	Sequence 11366, A	937	95	3.8	419	4	US-09-375-248-4	Sequence 4, Appli
865	96.5	3.8	657	4	US-09-949-016-11367	Sequence 11367, A	938	95	3.8	419	4	US-09-468-647A-108	Sequence 108, App
866	96.5	3.8	657	4	US-09-949-016-11368	Sequence 11368, A	939	95	3.8	419	4	US-09-534-376A-8	Sequence 8, Appli
867	96.5	3.8	1388	4	US-09-463-048A-6	Sequence 6, Appli	940	95	3.8	419	4	US-09-534-376A-58	Sequence 58, Appl
868	96.5	3.8	1497	4	US-09-060-854B-2	Sequence 2, Appli	941	95	3.8	419	4	US-09-169-079-21	Sequence 21, Appl
869	96.5	3.8	1497	4	US-09-529-904-3	Sequence 3, Appli	942	95	3.8	419	4	US-09-214-982-29	Sequence 29, Appl
870	96.5	3.8	1621	4	US-09-943-016-8450	Sequence 8450, Ap	943	95	3.8	419	5	PCT-US96-09001-2	Sequence 2, Appli
871	96	3.8	120	6	5447911-1	Sequence 8450, Ap	944	95	3.8	465	2	US-08-162-402B-8	Sequence 8, Appli
872	96	3.8	120	6	5447911-1	Patent No. 5447911	945	95	3.8	486	4	US-09-914-259-35	Sequence 35, Appl
873	96	3.8	199	3	US-08-772-440-13	Sequence 13, Appl	946	95	3.8	486	4	US-09-976-594-278	Sequence 278, App
874	96	3.8	237	3	US-09-111-470-2	Sequence 2, Appli	947	95	3.8	486	4	US-09-949-016-6216	Sequence 6216, App
875	96	3.8	237	4	US-09-862-802A-2	Sequence 2, Appli	948	95	3.8	507	4	US-09-949-016-9878	Sequence 9878, Ap
876	96	3.8	666	3	US-09-422-869-18	Sequence 18, Appl	949	94.5	3.7	136	6	5189019-6	Patent No. 5189019
877	96	3.8	915	4	US-09-907-794A-34	Sequence 34, Appl	950	94.5	3.7	136	6	5189019-6	Patent No. 5189019
878	96	3.8	915	4	US-09-905-125A-34	Sequence 34, Appl	951	94.5	3.7	175	2	US-08-401-530A-3	Sequence 3, Appli
879	96	3.8	915	4	US-09-905-125A-34	Sequence 34, Appl	952	94.5	3.7	175	2	US-08-709-662-3	Sequence 3, Appli
880	96	3.8	915	4	US-09-906-700-34	Sequence 34, Appl	953	94.5	3.7	248	4	US-08-450-482B-115	Sequence 115, App
881	96	3.8	915	4	US-09-903-603A-34	Sequence 34, Appl	954	94.5	3.7	513	2	US-08-480-229C-14	Sequence 14, Appl
882	96	3.8	915	4	US-09-904-920A-34	Sequence 34, Appl	955	94.5	3.7	513	2	US-08-659-235C-14	Sequence 14, Appl
883	96	3.8	915	4	US-09-909-064-34	Sequence 34, Appl	956	94.5	3.7	584	4	US-09-949-016-10340	Sequence 10340, A
884	96	3.8	915	4	US-09-905-381A-34	Sequence 34, Appl	957	94.5	3.7	584	4	US-09-949-016-10341	Sequence 10341, A
885	96	3.8	915	4	US-09-906-618-34	Sequence 34, Appl	958	94	3.7	119	1	US-08-340-539A-16	Sequence 16, Appl
886	96	3.8	1725	4	US-09-563-702A-20	Sequence 20, Appl	959	94	3.7	165	4	US-09-706-722A-3	Sequence 3, Appli
887	96	3.8	1725	4	US-09-561-818A-20	Sequence 20, Appl	960	94	3.7	240	4	US-09-706-722A-3	Sequence 3, Appli
888	96	3.8	1786	4	US-09-563-702A-18	Sequence 18, Appl	961	94	3.7	686	3	US-10-006-011A-5	Sequence 5, Appli
889	96	3.8	2362	4	US-09-561-818A-18	Sequence 18, Appl	962	94	3.7	686	4	US-09-358-055B-13	Sequence 13, Appl
890	96	3.8	2362	4	US-09-949-016-8985	Sequence 18, Appl	963	94	3.7	686	4	US-09-893-238-13	Sequence 13, Appl
891	95.5	3.8	123	6	5514582-19	Patent No. 5514582	964	94	3.7	1142	4	US-09-252-991A-18234	Sequence 18234, A
892	95.5	3.8	123	6	5514582-19	Patent No. 5514582	965	94	3.7	1153	4	US-09-560-385A-16	Sequence 16, Appl
893	95.5	3.8	126	3	US-08-772-440-10	Sequence 10, Appl	966	94	3.7	1170	4	US-09-561-709B-12	Sequence 12, Appl
894	95.5	3.8	161	3	US-09-011-735-6	Sequence 6, Appli	967	94	3.7	1170	4	US-09-560-385A-14	Sequence 14, Appl
895	95.5	3.8	176	3	US-08-772-440-8	Sequence 8, Appli	968	94	3.7	1196	1	US-08-144-121-4	Sequence 4, Appli
896	95.5	3.8	180	3	US-08-772-440-31	Sequence 31, Appl	969	94	3.7	1196	2	US-08-735-893-4	Sequence 4, Appli
897	95.5	3.8	317	3	US-09-383-586-20	Sequence 20, Appl	970	94	3.7	1765	4	US-09-562-702A-16	Sequence 16, Appl
898	95.5	3.8	317	4	US-09-823-038A-20	Sequence 20, Appl	971	94	3.7	1765	4	US-09-561-818A-16	Sequence 16, Appl
899	95.5	3.8	351	3	US-09-011-735-1	Sequence 1, Appli	972	94	3.7	1786	4	US-09-562-702A-14	Sequence 14, Appl
900	95.5	3.8	351	3	US-09-029-156-1	Sequence 1, Appli	973	94	3.7	1786	4	US-09-561-818A-14	Sequence 14, Appl
901	95.5	3.8	846	2	US-07-728-215-33	Sequence 33, Appl	974	94	3.7	1786	4	US-09-561-709B-9	Sequence 9, Appli
902	95.5	3.8	846	3	US-08-938-085A-33	Sequence 33, Appl	975	94	3.7	1786	4	US-09-538-092-869	Sequence 869, App
903	95.5	3.8	846	4	US-10-072-844-33	Sequence 33, Appl	976	93.5	3.7	461	3	US-08-742-877-2	Sequence 2, Appli

977	93.5	3.7	580	3	US-08-482-677-10	Sequence 10, Appl	1050	91.5	3.6	180	4	US-09-510-238A-286	Sequence 286, Appl
978	93.5	3.7	580	4	US-10-033-174-10	Sequence 10, Appl	1051	91.5	3.6	132	4	US-09-252-991A-22703	Sequence 22703, A
979	93.5	3.7	589	1	US-07-668-648-6	Sequence 6, Appl	1052	91.5	3.6	252	4	US-09-949-016-8814	Sequence 8814, Ap
980	93.5	3.7	589	2	US-08-429-998-6	Sequence 6, Appl	1053	91.5	3.6	273	1	US-08-152-019A-30	Sequence 30, Appl
981	93.5	3.7	589	2	US-08-431-333-6	Sequence 6, Appl	1054	91.5	3.6	380	3	US-08-468-846-2	Sequence 2, Appl
982	93.5	3.7	589	3	US-08-991-862-2	Sequence 2, Appl	1055	91.5	3.6	380	3	US-08-915-096A-2	Sequence 2, Appl
983	93.5	3.7	589	4	US-08-913-156-2	Sequence 2, Appl	1056	91.5	3.6	384	4	US-09-949-016-9661	Sequence 9661, Ap
984	93.5	3.7	589	4	US-09-456-886-2	Sequence 2, Appl	1057	91.5	3.6	415	1	US-08-073-531B-1	Sequence 1, Appl
985	93.5	3.7	589	4	US-09-824-647-2	Sequence 2, Appl	1058	91.5	3.6	415	1	US-08-295-411-2	Sequence 2, Appl
986	93.5	3.7	589	5	PCT-US91-02321-6	Sequence 6, Appl	1059	91.5	3.6	415	2	US-08-955-471-2	Sequence 2, Appl
987	93.5	3.7	1083	1	US-08-296-014A-2	Sequence 2, Appl	1060	91.5	3.6	415	2	US-08-766-288-1	Sequence 1, Appl
988	93.5	3.7	1083	2	US-08-596-405-2	Sequence 2, Appl	1061	91.5	3.6	415	5	PCT-US92-10242-2	Sequence 2, Appl
989	93.5	3.7	1083	2	US-08-877-620-2	Sequence 2, Appl	1062	91.5	3.6	443	3	US-08-833-963C-2	Sequence 2, Appl
990	93.5	3.7	1083	4	US-09-287-368-2	Sequence 2, Appl	1063	91.5	3.6	443	3	US-08-980-514-1	Sequence 1, Appl
991	93.5	3.7	1083	4	US-09-626-795-2	Sequence 2, Appl	1064	91.5	3.6	466	4	US-09-949-016-7792	Sequence 7792, Ap
992	93.5	3.7	1342	4	US-09-561-709B-13	Sequence 13, Appl	1065	91.5	3.6	1010	4	US-09-118-276-12	Sequence 12, Appl
993	93.5	3.7	1917	4	US-09-627-650B-5	Sequence 5, Appl	1066	91.5	3.6	1101	4	US-09-561-709B-5	Sequence 5, Appl
994	93.5	3.7	1917	4	US-09-436-063C-5	Sequence 5, Appl	1067	91	3.6	79	4	US-10-006-011A-7	Sequence 7, Appl
995	93.5	3.7	2813	4	US-09-381-261A-1	Sequence 1, Appl	1068	91	3.6	234	4	US-09-902-540-15175	Sequence 15175, A
996	93.5	3.7	4654	3	US-08-476-515A-84	Sequence 84, Appl	1069	91	3.6	247	4	US-09-898-554-14	Sequence 14, Appl
997	93.5	3.7	4655	3	US-08-652-877-84	Sequence 84, Appl	1070	91	3.6	253	4	US-09-949-016-10527	Sequence 10527, A
998	93.5	3.7	4655	3	US-08-652-877-86	Sequence 86, Appl	1071	91	3.6	418	3	US-08-795-430-13	Sequence 13, Appl
999	93.5	3.7	4655	3	US-08-652-877-88	Sequence 88, Appl	1072	91	3.6	418	3	US-09-355-700-13	Sequence 13, Appl
1000	93.5	3.7	4655	3	US-08-652-877-90	Sequence 90, Appl	1073	91	3.6	418	4	US-09-534-376A-13	Sequence 13, Appl
1001	93	3.7	120	1	US-08-274-661B-36	Sequence 36, Appl	1074	91	3.6	995	2	US-08-673-789-5	Sequence 5, Appl
1002	93	3.7	134	3	US-08-543-246B-9	Sequence 20, Appl	1075	91	3.6	997	4	US-09-747-371-3	Sequence 3, Appl
1003	93	3.7	216	3	US-08-543-246B-20	Sequence 9, Appl	1076	91	3.6	1155	4	US-09-560-385A-24	Sequence 24, Appl
1004	93	3.7	216	3	US-08-543-246B-24	Sequence 24, Appl	1077	91	3.6	1167	4	US-09-560-385A-20	Sequence 20, Appl
1005	93	3.7	589	1	US-07-668-648-2	Sequence 2, Appl	1078	91	3.6	1172	4	US-09-919-172-16	Sequence 16, Appl
1006	93	3.7	589	2	US-08-429-998-2	Sequence 2, Appl	1079	91	3.6	1174	4	US-09-560-385A-22	Sequence 22, Appl
1007	93	3.7	589	2	US-08-431-333-2	Sequence 2, Appl	1080	91	3.6	1186	4	US-09-560-385A-18	Sequence 18, Appl
1008	93	3.7	589	5	PCT-US91-02321-2	Sequence 2, Appl	1081	91	3.6	1345	2	US-08-977-767-3	Sequence 3, Appl
1009	93	3.7	750	4	US-09-270-767-42975	Sequence 42975, A	1082	91	3.6	3461	3	US-09-334-220-2	Sequence 2, Appl
1010	93	3.7	1171	4	US-09-560-385A-36	Sequence 36, Appl	1083	90.5	3.6	77	4	US-09-531-056A-22	Sequence 22, Appl
1011	93	3.7	1192	4	US-09-560-385A-34	Sequence 34, Appl	1084	90.5	3.6	230	2	US-08-471-371-2	Sequence 2, Appl
1012	93	3.7	2050	2	US-08-347-594A-2	Sequence 2, Appl	1085	90.5	3.6	559	4	US-10-136-227A-28	Sequence 28, Appl
1013	92.5	3.7	104	3	US-09-191-647-13	Sequence 13, Appl	1086	90.5	3.6	559	4	US-09-981-649A-28	Sequence 28, Appl
1014	92.5	3.7	104	3	US-09-540-245A-13	Sequence 13, Appl	1087	90.5	3.6	620	1	US-08-325-071-65	Sequence 65, Appl
1015	92.5	3.7	104	3	US-09-540-153-13	Sequence 13, Appl	1088	90.5	3.6	620	3	US-08-461-004A-65	Sequence 65, Appl
1016	92.5	3.7	248	4	US-09-252-991A-17358	Sequence 17358, A	1089	90.5	3.6	943	3	US-08-476-515A-12	Sequence 12, Appl
1017	92.5	3.7	271	1	US-08-152-019A-28	Sequence 28, Appl	1090	90.5	3.6	944	3	US-08-652-877-12	Sequence 12, Appl
1018	92.5	3.7	415	4	US-09-118-748-2	Sequence 2, Appl	1091	90.5	3.6	1019	4	US-09-902-540-15897	Sequence 15897, A
1019	92.5	3.7	457	4	US-09-774-639-28	Sequence 108, Appl	1092	90.5	3.6	1104	2	US-08-327-832-5	Sequence 5, Appl
1020	92.5	3.7	461	3	US-09-053-871A-21	Sequence 21, Appl	1093	90.5	3.6	1104	2	US-08-828-584-5	Sequence 5, Appl
1021	92.5	3.7	461	4	US-10-133-907-5	Sequence 5, Appl	1094	90.5	3.6	1242	4	US-09-488-270A-2	Sequence 2, Appl
1022	92.5	3.7	461	6	5521070-2	Patent No. 5521070	1095	90	3.6	255	4	US-10-006-011A-8	Sequence 8, Appl
1023	92.5	3.7	461	6	5521070-2	Patent No. 5521070	1096	90	3.6	284	4	US-10-006-011A-9	Sequence 9, Appl
1024	92.5	3.7	480	4	US-09-949-016-11123	Sequence 11123, A	1097	90	3.6	349	3	US-09-006-353A-13	Sequence 13, Appl
1025	92.5	3.7	769	1	US-08-454-455-6	Sequence 6, Appl	1098	90	3.6	349	3	US-09-573-986-13	Sequence 13, Appl
1026	92.5	3.7	831	4	US-09-949-016-10169	Sequence 10169, A	1099	90	3.6	357	4	US-09-949-016-9074	Sequence 9074, Ap
1027	92.5	3.7	1019	1	US-08-296-014A-4	Sequence 4, Appl	1100	90	3.6	550	4	US-09-949-016-11512	Sequence 11512, A
1028	92.5	3.7	1019	2	US-08-596-405-4	Sequence 4, Appl	1101	90	3.6	746	4	US-09-548-797B-4	Sequence 4, Appl
1029	92.5	3.7	1019	2	US-08-877-620-4	Sequence 4, Appl	1102	90	3.6	787	4	US-09-548-797B-5	Sequence 5, Appl
1030	92.5	3.7	1019	4	US-08-626-795-4	Sequence 4, Appl	1103	90	3.6	802	4	US-09-632-098-2	Sequence 2, Appl
1031	92.5	3.7	1019	4	US-08-626-795-4	Sequence 4, Appl	1104	90	3.6	802	4	US-10-177-308-4	Sequence 2, Appl
1032	92	3.6	119	1	US-08-340-539A-15	Sequence 15, Appl	1105	90	3.6	812	4	US-09-632-098-4	Sequence 4, Appl
1033	92	3.6	119	1	US-08-340-539A-18	Sequence 18, Appl	1106	90	3.6	812	4	US-10-177-308-4	Sequence 4, Appl
1034	92	3.6	169	2	US-08-460-309-20	Sequence 20, Appl	1107	90	3.6	849	4	US-09-548-797B-6	Sequence 6, Appl
1035	92	3.6	169	2	US-08-125-077-20	Sequence 20, Appl	1108	90	3.6	997	3	US-09-369-364A-7	Sequence 7, Appl
1036	92	3.6	174	2	US-08-401-530A-2	Sequence 2, Appl	1109	90	3.6	1156	3	US-08-996-083-1	Sequence 1, Appl
1037	92	3.6	174	2	US-08-709-662-2	Sequence 2, Appl	1110	90	3.6	1156	3	US-09-429-516-1	Sequence 1, Appl
1038	92	3.6	175	1	US-08-909-725-6	Sequence 6, Appl	1111	90	3.6	1156	3	US-09-429-516-3	Sequence 3, Appl
1039	92	3.6	257	4	US-09-312-283C-381	Sequence 381, Appl	1112	90	3.6	1400	3	US-08-630-915A-37	Sequence 37, Appl
1040	92	3.6	492	4	US-09-635-872A-19	Sequence 19, Appl	1113	90	3.6	1400	3	US-09-879-957-37	Sequence 37, Appl
1041	92	3.6	492	4	US-09-636-077A-19	Sequence 19, Appl	1114	90	3.6	1833	3	US-08-479-722B-2	Sequence 2, Appl
1042	92	3.6	492	4	US-09-636-060C-19	Sequence 19, Appl	1115	90	3.6	1833	3	US-09-592-685-2	Sequence 2, Appl
1043	92	3.6	492	4	US-09-986-552-19	Sequence 19, Appl	1116	90	3.6	1833	5	PCT-US95-02251-18	Sequence 18, Appl
1044	92	3.6	492	4	US-09-636-596C-19	Sequence 19, Appl	1117	90	3.6	2508	4	US-09-627-650B-7	Sequence 7, Appl
1045	92	3.6	492	4	US-10-023-894-20	Sequence 20, Appl	1118	90	3.6	2508	4	US-09-436-063C-7	Sequence 7, Appl
1046	92	3.6	492	4	US-10-306-686-19	Sequence 19, Appl	1119	89.5	3.5	115	3	US-08-722-126A-8	Sequence 8, Appl
1047	92	3.6	656	4	US-08-933-711B-15	Sequence 15, Appl	1120	89.5	3.5	115	5	PCT-US95-04258-8	Sequence 8, Appl
1048	91.5	3.6	136	2	US-08-560-098A-59	Sequence 59, Appl	1121	89.5	3.5	199	4	US-09-949-016-6129	Sequence 6129, Ap
1049	91.5	3.6	175	4	US-09-252-991A-18125	Sequence 18125, A	1122	89.5	3.5	199	5	PCT-US93-10418-2	Sequence 2, Appl

1123	89.5	3.5	205	4	US-09-949-016-10299	Sequence 10299, A	1196	87	3.4	515	4	US-09-636-596C-6	Sequence 6, Appli
1124	89.5	3.5	575	4	US-09-949-016-11264	Sequence 11264, A	1197	87	3.4	515	4	US-10-023-894-18	Sequence 18, Appli
1125	89.5	3.5	575	4	US-09-949-016-11265	Sequence 11265, A	1198	87	3.4	515	4	US-10-306-686-6	Sequence 6, Appli
1126	89.5	3.5	575	4	US-09-949-016-11266	Sequence 11266, A	1199	87	3.4	898	2	US-08-808-982-5	Sequence 5, Appli
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1146	89	3.5	1342	2	US-08-475-352-4	Sequence 4, Appli	1219	86	3.4	119	1	US-08-468-347-20	Sequence 20, Appl
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1164	88	3.5	452	4	US-09-914-259-34	Sequence 34, Appl	1237	86	3.4	553	3	US-09-249-697A-6	Sequence 6, Appli
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; Patent No. 6734288
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Botstein, David
; APPLICANT: Baton, Dan
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerriksen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Kljavin, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Roy, Margaret
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P2548P1C1
; CURRENT APPLICATION NUMBER: US/09/944, 457
; CURRENT FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 09/866, 028
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/067, 411
; PRIOR FILING DATE: December 3, 1997
; PRIOR APPLICATION NUMBER: 60/069, 334
; PRIOR FILING DATE: December 11, 1997
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; PRIOR FILING DATE: December 18, 1997
; PRIOR APPLICATION NUMBER: 60/070, 440
; PRIOR FILING DATE: January 5, 1998
; PRIOR APPLICATION NUMBER: 60/074, 086
; PRIOR FILING DATE: February 9, 1998
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Listing first 1500 summaries

Database : Published Applications

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SUMMARIES

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Sequence 94, Appl
Sequence 363, App

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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103	154.5	6.1	721	3	US-09-908-322-5	Sequence 5, Appli	176	141	5.6	685	4	US-09-423-753-25	Sequence 25, Appli
104	154	6.1	135	2	US-07-857-2248-103	Sequence 103, App	177	141	5.6	685	4	US-09-641-612-7	Sequence 7, Appli
105	154	6.1	713	3	US-08-872-855-5	Sequence 5, Appli	178	141	5.6	1157	4	US-09-949-016-9568	Sequence 9568, Ap
106	153.5	6.1	721	3	US-08-872-855-7	Sequence 7, Appli	179	141	5.6	1219	3	US-08-882-046-5	Sequence 5, Appli
107	153	6.0	138	2	US-07-857-2248-112	Sequence 112, App	180	141	5.6	1219	4	US-09-566-047-5	Sequence 5, Appli
108	153	6.0	166	1	US-08-614-935-30	Sequence 30, Appl	181	140.5	5.6	137	2	US-07-857-2248-111	Sequence 111, App
109	153	6.0	166	3	US-09-130-287-30	Sequence 30, Appl	182	140.5	5.6	830	3	US-08-872-855-11	Sequence 11, Appl
110	153	6.0	374	4	US-09-489-847-166	Sequence 166, App	183	139.5	5.5	1065	2	US-08-400-159-8	Sequence 8, Appli
111	152.5	6.0	134	4	US-09-621-976-3902	Sequence 3902, Ap	184	138.5	5.5	1148	3	US-08-882-046-4	Sequence 4, Appli
112	151	6.0	260	4	US-09-638-203-3	Sequence 3, Appli	185	138.5	5.5	1148	4	US-09-566-047-4	Sequence 4, Appli
113	150.5	6.0	1193	2	US-08-400-159-10	Sequence 10, Appl	186	138	5.5	202	4	US-10-000-489-62	Sequence 62, Appli
114	150.5	6.0	1193	3	US-08-611-729A-10	Sequence 10, Appl	187	137.5	5.4	272	3	US-09-949-016-9961	Sequence 9961, Ap
115	150.5	6.0	1193	4	US-09-195-524-10	Sequence 10, Appl	188	137.5	5.4	287	3	US-09-111-470-6	Sequence 6, Appli
116	150.5	6.0	2254	4	US-09-949-016-9270	Sequence 9270, Ap	189	137.5	5.4	287	4	US-09-862-802A-6	Sequence 6, Appli
117	150	5.9	2471	1	US-08-185-432-16	Sequence 16, Appl	190	137.5	5.4	454	1	US-07-930-686-10	Sequence 10, Appl
118	150	5.9	2471	1	US-08-083-590A-19	Sequence 19, Appl	191	137.5	5.4	454	2	US-08-460-998-10	Sequence 10, Appl
119	150	5.9	2471	3	US-08-532-384-19	Sequence 19, Appl	192	137.5	5.4	1055	3	US-09-214-278-2	Sequence 2, Appli
120	150	5.9	2471	4	US-08-899-232-1	Sequence 1, Appli	193	137.5	5.4	1055	4	US-09-855-722-2	Sequence 2, Appli
121	150	5.9	2471	4	US-09-121-457-1	Sequence 1, Appli	194	137.5	5.4	1212	3	US-09-214-278-3	Sequence 3, Appli
122	149.5	5.9	382	4	US-09-907-794A-137	Sequence 137, App	195	137.5	5.4	1212	4	US-09-855-722-3	Sequence 3, Appli
123	149.5	5.9	382	4	US-09-905-125A-137	Sequence 137, App	196	137.5	5.4	1238	3	US-09-214-278-5	Sequence 5, Appli
124	149.5	5.9	382	4	US-09-902-775A-137	Sequence 137, App	197	137.5	5.4	1238	4	US-09-855-722-5	Sequence 5, Appli
125	149.5	5.9	382	4	US-09-906-700-137	Sequence 137, App	198	137.5	5.4	1257	3	US-08-611-729A-8	Sequence 8, Appli
126	149.5	5.9	382	4	US-09-903-603A-137	Sequence 137, App	199	137.5	5.4	1257	4	US-09-195-524-8	Sequence 8, Appli
127	149.5	5.9	382	4	US-09-904-920A-137	Sequence 137, App	200	137	5.4	253	4	US-09-541-759-2	Sequence 2, Appli
128	149.5	5.9	382	4	US-09-909-064-137	Sequence 137, App	201	136	5.4	139	4	US-09-535-521-11	Sequence 11, Appl
129	149.5	5.9	382	4	US-09-905-381A-137	Sequence 137, App	202	136	5.4	141	4	US-09-535-521-14	Sequence 14, Appl
130	149.5	5.9	382	4	US-09-906-618-137	Sequence 137, App	203	136	5.4	187	4	US-09-535-521-17	Sequence 17, Appl
131	148.5	5.9	129	5	US-08-722-126A-10	Sequence 10, Appl	204	136	5.4	208	4	US-09-535-521-20	Sequence 20, Appl
132	148.5	5.9	129	5	PCT-US95-04258-10	Sequence 10, Appl	205	136	5.4	292	4	US-09-535-521-2	Sequence 2, Appli
133	148	5.9	192	4	US-09-541-759-5	Sequence 5, Appli	206	136	5.4	292	5	US-09-535-521-5	Sequence 5, Appli
134	146.5	5.8	1479	3	US-08-840-062-2	Sequence 2, Appli	207	136	5.4	1479	3	US-08-840-062-4	Sequence 4, Appli
135	146	5.8	1010	3	US-08-882-046-7	Sequence 7, Appli	208	135.5	5.4	114	6	5514582-14	Patent No. 5514582
136	146	5.8	1010	4	US-09-566-047-7	Sequence 7, Appli	209	135.5	5.4	114	6	5514582-14	Patent No. 5514582
137	146	5.8	1036	3	US-09-068-740A-6	Sequence 6, Appli	210	135.5	5.4	833	1	US-08-264-534-6	Sequence 6, Appli
138	146	5.8	1067	4	US-09-579-536C-18	Sequence 18, Appl	211	135.5	5.4	833	1	US-08-083-590A-2	Sequence 2, Appli
139	146	5.8	1187	3	US-09-068-740A-7	Sequence 7, Appli	212	135.5	5.4	833	2	US-08-465-500-6	Sequence 6, Appli
140	146	5.8	1208	4	US-09-199-865-1	Sequence 1, Appli	213	135.5	5.4	833	2	US-08-346-126-6	Sequence 6, Appli
141	146	5.8	1208	4	US-10-213-329-1	Sequence 1, Appli	214	135.5	5.4	833	2	US-08-346-128-6	Sequence 6, Appli
142	146	5.8	1218	4	US-08-400-159-6	Sequence 6, Appli	215	135.5	5.4	833	3	US-08-532-384-2	Sequence 2, Appli
143	146	5.8	1218	3	US-08-611-729A-6	Sequence 6, Appli	216	135.5	5.4	833	3	US-08-893-828-6	Sequence 6, Appli
144	146	5.8	1218	3	US-08-882-046-2	Sequence 2, Appli	217	135	5.4	1525	3	US-09-191-647-2	Sequence 2, Appli
145	146	5.8	1218	3	US-09-214-278-7	Sequence 7, Appli	218	135	5.3	1525	3	US-09-540-245A-2	Sequence 2, Appli
146	146	5.8	1218	3	US-09-068-740A-11	Sequence 11, Appl	219	135	5.3	1525	3	US-09-540-153-2	Sequence 2, Appli
147	146	5.8	1218	4	US-09-855-722-7	Sequence 7, Appli	220	134.5	5.3	704	4	US-09-590-656-2	Sequence 2, Appli
148	146	5.8	1218	4	US-09-566-047-2	Sequence 2, Appli	221	134.5	5.3	704	4	US-09-733-764-2	Sequence 2, Appli
149	146	5.8	1218	4	US-09-917-254-85	Sequence 85, Appl	222	134.5	5.3	977	4	US-09-590-656-1	Sequence 1, Appli
150	146	5.8	1218	4	US-09-195-524-6	Sequence 6, Appli	223	134.5	5.3	977	4	US-09-733-764-1	Sequence 2, Appli
151	146	5.8	1218	4	US-09-579-536C-1	Sequence 1, Appli	224	134.5	5.3	1124	1	US-08-323-474-2	Sequence 2, Appli
152	146	5.8	1218	4	US-09-949-016-5902	Sequence 5902, Ap	225	134.5	5.3	1124	4	US-09-949-016-5946	Sequence 5946, Ap
153	146	5.8	1254	4	US-09-949-016-10297	Sequence 10297, A	226	134.5	5.3	1124	5	PCT-US93-06093-2	Sequence 2, Appli
154	146	5.8	2556	1	US-08-185-432-17	Sequence 17, Appl	227	134.5	5.3	1480	3	US-09-191-647-7	Sequence 7, Appli
155	146	5.8	2556	4	US-08-899-232-2	Sequence 2, Appli	228	134.5	5.3	1480	3	US-09-540-245A-7	Sequence 7, Appli
156	146	5.8	2556	4	US-08-121-457-2	Sequence 2, Appli	229	134.5	5.3	1480	3	US-09-540-153-7	Sequence 7, Appli
157	144.5	5.7	1964	3	US-09-467-997-1	Sequence 1, Appli	230	134.5	5.3	1480	5	PCT-US91-09055-2	Sequence 2, Appli
158	144	5.7	1139	1	US-08-537-210A-4	Sequence 4, Appli	231	133.5	5.3	223	4	US-09-541-759-1	Sequence 1, Appli
159	144	5.7	1139	3	US-09-113-825-4	Sequence 4, Appli	232	133.5	5.3	321	4	US-09-270-767-33762	Sequence 33762, A
160	144	5.7	2556	1	US-08-083-590A-20	Sequence 20, Appl	233	133.5	5.3	321	4	US-09-270-767-48979	Sequence 48979, A
161	144	5.7	2556	3	US-08-532-384-20	Sequence 20, Appl	234	133.5	5.3	328	4	US-09-065-040-8	Sequence 8, Appli
162	143.5	5.7	440	2	US-07-930-686-12	Sequence 12, Appl	235	133.5	5.3	832	3	US-08-981-392-6	Sequence 6, Appli
163	143.5	5.7	440	3	US-08-460-998-12	Sequence 12, Appl	236	133.5	5.3	832	4	US-09-908-322-6	Sequence 6, Appli
164	143.5	5.7	1248	3	US-08-882-046-6	Sequence 6, Appli	237	133	5.3	115	6	5514582-18	Patent No. 5514582
165	143.5	5.7	1248	4	US-09-566-047-6	Sequence 6, Appli	238	133	5.3	115	6	5514582-18	Patent No. 5514582
166	142.5	5.6	1480	3	US-09-183-024A-5	Sequence 5, Appli	239	132.5	5.2	148	4	US-09-949-016-6802	Sequence 6802, Ap
167	142	5.6	203	1	US-08-419-414-8	Sequence 8, Appli	240	132.5	5.2	179	1	US-08-690-095-9	Sequence 9, Appli
168	142	5.6	203	1	US-08-614-935-3	Sequence 3, Appli	241	132.5	5.2	179	2	US-08-650-578-2	Sequence 2, Appli
169	142	5.6	203	3	US-09-130-287-3	Sequence 3, Appli	242	132.5	5.2	179	2	US-08-688-342-3	Sequence 3, Appli
170	141	5.6	202	1	US-08-469-486-56	Sequence 56, Appl	243	132.5	5.2	179	2	US-09-113-788-3	Sequence 3, Appli
171	141	5.6	202	2	US-08-469-658-56	Sequence 56, Appl	244	132.5	5.2	179	3	US-09-113-789-9	Sequence 9, Appli
172	141	5.6	233	4	US-09-216-393B-110	Sequence 110, App	245	132.5	5.2	179	4	US-09-919-039-130	Sequence 130, App
173	141	5.6	500	4	US-09-423-753-2	Sequence 2, Appli	246	132.5	5.2	179	4	US-09-949-016-6200	Sequence 6200, Ap

247	132.5	5.2	578	3	US-08-981-392-13	Sequence 13, Appl	320	127.5	5.0	1350	4	US-09-893-238-17	Sequence 17, Appl
248	132.5	5.2	578	4	US-09-908-322-13	Sequence 13, Appl	321	127.5	5.0	1429	3	US-09-245-041-130	Sequence 130, App
249	132	5.2	128	1	US-09-535-521-8	Sequence 8, Appl	322	127.5	5.0	1429	4	US-09-358-055B-131	Sequence 131, App
250	131.5	5.2	1101	2	US-08-469-537A-96	Sequence 96, Appl	323	127.5	5.0	2787	3	US-09-245-041-15	Sequence 15, Appl
251	131.5	5.2	2199	4	US-08-793-273C-2	Sequence 2, Appl	324	127.5	5.0	2787	4	US-09-358-055B-15	Sequence 15, Appl
252	131.5	5.2	2199	5	PCT-US95-11684-2	Sequence 2, Appl	325	127.5	5.0	2787	4	US-09-893-238-15	Sequence 15, Appl
253	131	5.2	383	1	US-08-597-545-2	Sequence 2, Appl	326	127	5.0	205	1	US-08-450-944-5	Sequence 5, Appl
254	131	5.2	383	1	US-08-457-135-2	Sequence 2, Appl	327	127	5.0	205	5	PCT-US96-07709-5	Sequence 5, Appl
255	131	5.2	721	4	US-09-949-016-11031	Sequence 11031, A	328	127	5.0	220	4	US-09-541-759-3	Sequence 3, Appl
256	131	5.2	1523	3	US-09-182-024A-2	Sequence 2, Appl	329	127	5.0	221	1	US-08-450-944-2	Sequence 2, Appl
257	131	5.2	1529	4	US-09-312-283C-396	Sequence 396, App	330	127	5.0	221	5	PCT-US96-07709-2	Sequence 2, Appl
258	131	5.2	1799	4	US-09-845-583A-6	Sequence 6, Appl	331	127	5.0	292	4	US-09-248-726A-15095	Sequence 15095, A
259	131	5.2	3594	4	US-09-911-842A-4	Sequence 4, Appl	332	126.5	5.0	125	3	US-08-723-126A-7	Sequence 7, Appl
260	131	5.2	3523	4	US-09-341-461-2	Sequence 2, Appl	333	126.5	5.0	125	5	PCT-US95-04258-7	Sequence 7, Appl
261	130.5	5.2	1264	1	US-09-535-521-25	Sequence 25, Appl	334	126.5	5.0	287	1	US-08-365-103B-4	Sequence 4, Appl
262	130.5	5.2	1064	4	US-08-537-210A-3	Sequence 3, Appl	335	126.5	5.0	289	4	US-09-862-802A-13	Sequence 13, Appl
263	130.5	5.2	1064	3	US-09-113-825-3	Sequence 3, Appl	336	126.5	5.0	300	1	US-08-365-103B-6	Sequence 6, Appl
264	130.5	5.2	1118	1	US-07-934-393B-2	Sequence 2, Appl	337	126.5	5.0	327	1	US-08-365-103B-2	Sequence 2, Appl
265	130.5	5.2	1118	2	US-08-278-089A-2	Sequence 2, Appl	338	126.5	5.0	1404	2	US-08-400-159-2	Sequence 2, Appl
266	130.5	5.2	1122	1	US-08-838-957A-2	Sequence 2, Appl	339	126.5	5.0	1404	3	US-08-611-729A-2	Sequence 2, Appl
267	130.5	5.2	1122	1	US-08-278-089A-6	Sequence 6, Appl	340	126.5	5.0	1404	4	US-09-195-524-2	Sequence 2, Appl
268	130.5	5.2	1122	2	US-08-838-957A-6	Sequence 6, Appl	341	126.5	5.0	4391	4	US-10-006-011A-2	Sequence 2, Appl
269	130.5	5.2	2200	4	US-09-796-575-2	Sequence 2, Appl	342	126	5.0	219	4	US-09-907-794A-377	Sequence 377, App
270	130	5.1	316	3	US-09-111-470-4	Sequence 4, Appl	343	126	5.0	219	4	US-09-905-125A-377	Sequence 377, App
271	130	5.1	316	4	US-09-862-802A-4	Sequence 4, Appl	344	126	5.0	219	4	US-09-902-775A-377	Sequence 377, App
272	129.5	5.1	125	2	US-07-857-224B-114	Sequence 114, App	345	126	5.0	219	4	US-09-906-700-377	Sequence 377, App
273	129.5	5.1	137	2	US-07-857-224B-110	Sequence 110, App	346	126	5.0	219	4	US-09-903-603A-377	Sequence 377, App
274	129.5	5.1	328	4	US-09-065-040-12	Sequence 12, App	347	126	5.0	219	4	US-09-904-920A-377	Sequence 377, App
275	129.5	5.1	379	4	US-09-907-794A-4	Sequence 4, Appl	348	126	5.0	219	4	US-09-909-064-377	Sequence 377, App
276	129.5	5.1	379	4	US-09-905-125A-4	Sequence 4, Appl	349	126	5.0	219	4	US-09-905-381A-377	Sequence 377, App
277	129.5	5.1	379	4	US-09-902-775A-4	Sequence 4, Appl	350	126	5.0	219	4	US-09-906-618-377	Sequence 377, App
278	129.5	5.1	379	4	US-09-906-700-4	Sequence 4, Appl	351	126	5.0	583	4	US-08-641-612-2	Sequence 2, Appl
279	129.5	5.1	379	4	US-09-903-603A-4	Sequence 4, Appl	352	126	5.0	1487	3	US-08-840-062-7	Sequence 7, Appl
280	129.5	5.1	379	4	US-09-904-920A-4	Sequence 4, Appl	353	125	5.0	1463	1	US-08-220-603A-11	Sequence 11, Appl
281	129.5	5.1	379	4	US-09-909-064-4	Sequence 4, Appl	354	124.5	4.9	1138	1	US-08-323-474-8	Sequence 8, Appl
282	129.5	5.1	379	4	US-09-905-381A-4	Sequence 4, Appl	355	124.5	4.9	1138	2	US-08-469-537A-98	Sequence 98, Appl
283	129.5	5.1	379	4	US-09-906-618-4	Sequence 4, Appl	356	124.5	4.9	1138	2	US-08-220-240A-5	Sequence 5, Appl
284	129.5	5.1	385	1	US-08-597-545-1	Sequence 1, Appl	357	124.5	4.9	1150	4	US-09-949-016-7769	Sequence 7769, Ap
285	129.5	5.1	385	1	US-08-457-135-1	Sequence 1, Appl	358	124.5	4.9	4544	1	US-08-469-486-52	Sequence 52, Appl
286	129.5	5.1	385	4	US-09-142-027A-10	Sequence 10, Appl	359	124.5	4.9	4544	2	US-08-469-658-52	Sequence 52, Appl
287	129.5	5.1	1810	5	US-08-793-273C-4	Sequence 4, Appl	360	124	4.9	177	1	US-08-181-271A-46	Sequence 46, Appl
288	129.5	5.1	1810	5	PCT-US95-11684-4	Sequence 4, Appl	361	124	4.9	177	1	US-08-449-315-46	Sequence 46, Appl
289	129	5.1	111	6	5514582-11	Sequence 4, Appl	362	124	4.9	177	1	US-08-444-803-46	Sequence 46, Appl
290	129	5.1	111	6	5514582-11	Patent No. 5514582	363	124	4.9	177	1	US-08-449-043-46	Sequence 46, Appl
291	129	5.1	299	3	US-09-188-930-192	Sequence 192, App	364	124	4.9	177	1	US-08-456-265A-46	Sequence 46, Appl
292	129	5.1	299	3	US-09-188-930-332	Sequence 332, App	365	124	4.9	177	1	US-08-455-416-46	Sequence 46, Appl
293	129	5.1	299	4	US-09-312-283C-192	Sequence 192, App	366	124	4.9	177	1	US-08-455-244-46	Sequence 46, Appl
294	129	5.1	299	4	US-09-312-283C-332	Sequence 332, App	367	124	4.9	177	1	US-08-454-876-46	Sequence 46, Appl
295	129	5.1	1135	2	US-08-469-537A-97	Sequence 97, Appl	368	124	4.9	177	2	US-08-457-364-46	Sequence 46, Appl
296	128.5	5.1	114	6	5514582-13	Sequence 13, App	369	124	4.9	177	2	US-08-456-262-46	Sequence 46, Appl
297	128.5	5.1	114	6	5514582-13	Patent No. 5514582	370	124	4.9	177	2	US-08-456-240-46	Sequence 46, Appl
298	128.5	5.1	220	4	US-09-541-759-4	Sequence 4, Appl	371	124	4.9	177	2	US-08-455-736-46	Sequence 46, Appl
299	128.5	5.1	1576	4	US-09-562-702A-24	Sequence 24, Appl	372	124	4.9	177	2	US-08-971-217-46	Sequence 46, Appl
300	128.5	5.1	1576	4	US-09-561-818A-24	Sequence 24, Appl	373	124	4.9	177	3	US-09-350-600-46	Sequence 46, Appl
301	128.5	5.1	1584	4	US-09-562-702A-28	Sequence 28, Appl	374	124	4.9	177	4	US-09-906-234-46	Sequence 46, Appl
302	128.5	5.1	1609	4	US-09-562-702A-22	Sequence 22, Appl	375	123.5	4.9	114	6	5514582-8	Patent No. 5514582
303	128.5	5.1	1609	4	US-09-561-818A-22	Sequence 22, Appl	376	123.5	4.9	114	6	5514582-8	Patent No. 5514582
304	128.5	5.1	1609	4	US-09-538-092-900	Sequence 900, App	377	123.5	4.9	1068	3	US-08-872-855-10	Sequence 10, Appl
305	128.5	5.1	1617	4	US-09-562-702A-26	Sequence 26, Appl	378	123.5	4.9	1068	3	US-08-537-210A-2	Sequence 2, Appl
306	128.5	5.1	3075	2	US-08-460-309-5	Sequence 5, Appl	379	123.5	4.9	1068	3	US-09-113-825-2	Sequence 2, Appl
307	128.5	5.1	3571	4	US-08-125-077-5	Sequence 2, Appl	380	123.5	4.9	1358	1	US-08-404-655-4	Sequence 4, Appl
308	128.5	5.1	3571	4	US-09-911-842A-2	Sequence 2, Appl	381	123.5	4.9	1358	1	US-08-404-671-4	Sequence 4, Appl
309	128	5.1	1572	4	US-09-562-702A-32	Sequence 32, Appl	382	123.5	4.9	1254	2	US-08-404-781-4	Sequence 4, Appl
310	128	5.1	1572	4	US-09-561-818A-28	Sequence 28, Appl	383	123	4.9	124	2	US-07-857-224B-113	Sequence 113, App
311	128	5.1	1605	4	US-09-562-702A-30	Sequence 30, Appl	384	123	4.9	144	4	US-09-949-016-10685	Sequence 10685, A
312	128	5.1	1605	4	US-09-561-818A-26	Sequence 26, Appl	385	123	4.9	166	4	US-09-949-016-6286	Sequence 6286, Ap
313	127.5	5.0	197	4	US-09-602-877A-99	Sequence 99, Appl	386	123	4.9	204	5	PCT-US96-07709-33	Sequence 33, Appl
314	127.5	5.0	1193	4	US-09-949-016-10498	Sequence 10498, A	387	123	4.9	220	5	PCT-US96-07709-30	Sequence 30, Appl
315	127.5	5.0	1198	3	US-09-245-041-131	Sequence 131, App	388	123	4.9	228	5	PCT-US96-07709-25	Sequence 25, Appl
316	127.5	5.0	1198	3	US-09-794-236-3	Sequence 3, Appl	389	123	4.9	678	1	US-08-282-141-2	Sequence 2, Appl
317	127.5	5.0	1198	4	US-09-358-055B-132	Sequence 132, App	390	123	4.9	678	1	US-08-435-434-2	Sequence 2, Appl
318	127.5	5.0	1350	3	US-09-245-041-17	Sequence 17, Appl	391	123	4.9	678	1	US-08-435-436-2	Sequence 2, Appl
319	127.5	5.0	1350	4	US-09-358-055B-17	Sequence 17, Appl	392	123	4.9	678	2	US-08-438-863-2	Sequence 2, Appl

393	123	4.9	678	2	US-08-438-864-2	Sequence 2, Appli	466	113.5	4.5	215	1	US-08-312-870-5	Sequence 5, Appli
394	123	4.9	678	3	US-08-438-862-2	Sequence 2, Appli	467	113.5	4.5	446	1	US-08-307-444A-5	Sequence 5, Appli
395	123	4.9	678	3	US-08-628-747-2	Sequence 2, Appli	468	113.5	4.5	446	1	US-08-587-389-5	Sequence 5, Appli
396	123	4.9	678	3	US-08-402-253-2	Sequence 2, Appli	469	113.5	4.5	456	1	US-08-307-444A-3	Sequence 3, Appli
397	123	4.9	678	3	US-08-443-866B-2	Sequence 2, Appli	470	113.5	4.5	456	1	US-08-587-389-3	Sequence 3, Appli
398	123	4.9	1935	4	US-09-949-016-10403	Sequence 10403, A	471	113.5	4.5	456	1	US-08-587-389-4	Sequence 4, Appli
399	122.5	4.8	329	4	US-09-248-796A-15096	Sequence 15096, A	472	113.5	4.5	456	1	US-08-307-444A-1	Sequence 1, Appli
400	122.5	4.8	383	4	US-09-142-027A-12	Sequence 12, Appli	473	113.5	4.5	475	1	US-08-307-444A-2	Sequence 2, Appli
401	122.5	4.8	585	4	US-09-641-612-5	Sequence 5, Appli	474	113.5	4.5	475	1	US-08-587-389-1	Sequence 1, Appli
402	122.5	4.8	1015	1	US-08-537-210A-1	Sequence 1, Appli	475	113.5	4.5	475	1	US-08-587-389-2	Sequence 2, Appli
403	122.5	4.8	1015	3	US-09-113-825-1	Sequence 1, Appli	476	113.5	4.5	475	1	US-08-587-389-3	Sequence 3, Appli
404	122	4.8	1449	3	US-08-840-062-6	Sequence 6, Appli	477	113.5	4.5	476	1	US-08-014-723-1	Sequence 1, Appli
405	122	4.8	1723	3	US-09-194-612A-31	Sequence 31, Appli	478	113.5	4.5	476	1	US-08-014-723-2	Sequence 2, Appli
406	121.5	4.8	273	3	US-09-111-470-10	Sequence 10, Appli	479	113.5	4.5	476	1	US-08-014-723-18	Sequence 18, Appli
407	121.5	4.8	273	3	US-09-862-802A-10	Sequence 10, Appli	480	113.5	4.5	476	1	US-08-110-011A-1	Sequence 1, Appli
408	121.5	4.8	292	2	US-08-688-342-4	Sequence 4, Appli	481	113.5	4.5	476	1	US-08-110-011A-2	Sequence 2, Appli
409	121.5	4.8	292	2	US-09-113-788-4	Sequence 4, Appli	482	113.5	4.5	476	1	US-08-110-011A-18	Sequence 18, Appli
410	121.5	4.8	292	4	US-09-862-802A-12	Sequence 12, Appli	483	113.5	4.5	494	1	US-08-014-723-14	Sequence 14, Appli
411	121.5	4.8	735	3	US-09-191-647-9	Sequence 9, Appli	484	113.5	4.5	494	1	US-08-014-723-16	Sequence 16, Appli
412	121.5	4.8	735	3	US-09-540-245A-9	Sequence 9, Appli	485	113.5	4.5	494	1	US-08-110-011A-14	Sequence 14, Appli
413	121.5	4.8	735	3	US-09-540-153-9	Sequence 9, Appli	486	113.5	4.5	494	1	US-08-110-011A-16	Sequence 16, Appli
414	121.5	4.8	2871	4	US-09-538-032-1076	Sequence 1076, Ap	487	113.5	4.5	497	1	US-08-312-870-3	Sequence 3, Appli
415	121	4.8	166	2	US-08-729-103-4	Sequence 4, Appli	488	113.5	4.5	497	4	US-09-331-793-4	Sequence 4, Appli
416	121	4.8	174	4	US-09-949-016-10686	Sequence 4, Appli	489	113.5	4.5	498	2	US-08-733-564-2	Sequence 2, Appli
417	121	4.8	243	3	US-09-191-647-14	Sequence 14, Appli	490	113.5	4.5	516	4	US-09-509-994-1	Sequence 1, Appli
418	121	4.8	243	3	US-09-540-245A-14	Sequence 14, Appli	491	113.5	4.5	516	4	US-09-509-994-2	Sequence 2, Appli
419	121	4.8	243	3	US-09-540-153-14	Sequence 14, Appli	492	113.5	4.5	575	1	US-08-261-206A-59	Sequence 59, Appli
420	121	4.8	404	3	US-09-517-605-2	Sequence 2, Appli	493	113.5	4.5	575	1	US-08-312-870-1	Sequence 1, Appli
421	120.5	4.8	112	6	US-07-857-224B-109	Sequence 109, App	494	113.5	4.5	575	4	US-09-880-484D-2	Sequence 2, Appli
422	119.5	4.7	114	6	5514582-10	Patent No. 5514582	495	113.5	4.5	575	4	US-10-438-648-2	Patent No. 5466668
423	119.5	4.7	114	6	5514582-10	Patent No. 5514582	496	113.5	4.5	575	6	5466668-6	Patent No. 5466668
424	119	4.7	196	3	US-08-981-392-35	Sequence 35, Appli	497	113.5	4.5	575	6	5466668-6	Patent No. 5466668
425	119	4.7	196	4	US-09-908-322-35	Sequence 35, Appli	498	113	4.5	276	3	US-08-981-392-43	Sequence 43, Appli
426	118.5	4.7	323	4	US-09-065-040-4	Sequence 4, Appli	499	113	4.5	276	4	US-09-908-322-43	Sequence 43, Appli
427	118.5	4.7	323	4	US-09-949-016-6294	Sequence 6294, Ap	500	113	4.5	376	4	US-09-348-796A-15097	Sequence 15097, A
428	118.5	4.7	1260	3	US-09-245-041-2	Sequence 2, Appli	501	112.5	4.4	110	6	5514582-12	Patent No. 5514582
429	118.5	4.7	1260	4	US-09-358-055B-2	Sequence 2, Appli	502	112.5	4.4	110	6	5514582-12	Patent No. 5514582
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431	118.5	4.7	1260	4	US-09-949-016-7517	Sequence 7517, Ap	504	112.5	4.4	810	2	US-09-055-699-34	Sequence 34, Appli
432	118.5	4.7	3070	4	US-09-961-403-7	Sequence 7, Appli	505	112.5	4.4	810	3	US-09-273-565-34	Sequence 34, Appli
433	118.5	4.7	3084	4	US-09-562-702A-12	Sequence 12, Appli	506	112.5	4.4	810	3	US-09-565-538-34	Sequence 34, Appli
434	118.5	4.7	3088	4	US-09-562-702A-8	Sequence 8, Appli	507	112.5	4.4	810	3	US-09-661-468-34	Sequence 34, Appli
435	118.5	4.7	3089	4	US-09-562-702A-4	Sequence 4, Appli	508	112.5	4.4	810	4	US-09-976-165-34	Sequence 34, Appli
436	118.5	4.7	3106	4	US-09-562-702A-10	Sequence 10, Appli	509	112	4.4	165	2	US-08-401-530A-7	Sequence 7, Appli
437	118.5	4.7	3110	4	US-09-562-702A-2	Sequence 2, Appli	510	112	4.4	165	2	US-08-729-103-3	Sequence 3, Appli
438	118.5	4.7	3110	4	US-09-562-702A-6	Sequence 6, Appli	511	112	4.4	165	2	US-08-709-662-7	Sequence 7, Appli
439	118.5	4.7	3110	4	US-09-561-709B-7	Sequence 7, Appli	512	112	4.4	179	4	US-09-148-545-177	Sequence 177, App
440	118.5	4.7	3110	4	US-09-917-254-86	Sequence 86, Appli	513	112	4.4	192	3	US-08-981-392-65	Sequence 65, Appli
441	118.5	4.7	3110	4	US-09-949-016-5937	Sequence 5937, Ap	514	112	4.4	192	4	US-09-908-322-65	Sequence 65, Appli
442	118.5	4.7	3111	2	US-08-460-309-4	Sequence 4, Appli	515	112	4.4	716	3	US-09-312-283C-183	Sequence 183, App
443	118.5	4.7	3111	2	US-08-125-077-4	Sequence 4, Appli	516	112	4.4	716	3	US-09-188-930-183	Sequence 183, App
444	117.5	4.6	652	2	US-08-751-305-2	Sequence 2, Appli	517	111.5	4.4	3647	4	US-09-949-016-10932	Sequence 10932, A
445	117	4.6	214	4	US-09-257-583-15	Sequence 15, Appli	518	111	4.4	816	2	US-08-820-170A-37	Sequence 37, Appli
446	116.5	4.6	994	4	US-10-164-595-38	Sequence 38, Appli	519	111	4.4	816	3	US-09-055-699-37	Sequence 37, Appli
447	116.5	4.6	1854	4	US-09-949-016-11625	Sequence 11625, A	520	111	4.4	816	3	US-09-273-565-37	Sequence 37, Appli
448	116	4.6	174	1	US-07-641-971B-1	Sequence 1, Appli	521	111	4.4	816	3	US-09-565-538-37	Sequence 37, Appli
449	116	4.6	174	1	US-07-781-248A-1	Sequence 1, Appli	522	111	4.4	816	3	US-09-661-468-37	Sequence 37, Appli
450	116	4.6	320	1	US-08-365-103B-10	Sequence 10, Appli	523	111	4.4	816	4	US-09-976-165-37	Sequence 37, Appli
451	116	4.6	321	1	US-08-365-103B-8	Sequence 8, Appli	524	110.5	4.4	158	2	US-08-729-103-1	Sequence 1, Appli
452	115.5	4.6	131	2	US-08-650-598-3	Sequence 3, Appli	525	110.5	4.4	158	2	US-08-468-413-2	Sequence 2, Appli
453	115.5	4.6	647	4	US-09-949-016-10272	Sequence 10272, A	526	110.5	4.4	158	2	US-09-162-508-2	Sequence 2, Appli
454	115	4.5	1722	4	US-09-194-612A-1	Sequence 1, Appli	527	110.5	4.4	158	5	PCT-US95-07169-2	Sequence 2, Appli
455	114.5	4.5	1326	4	US-09-949-016-6806	Sequence 6806, Ap	528	110	4.3	157	3	US-08-981-392-68	Sequence 68, Appli
456	114.5	4.5	1339	4	US-09-949-016-10448	Sequence 10448, A	529	110	4.3	157	4	US-09-908-322-68	Sequence 68, Appli
457	114.5	4.5	1478	4	US-09-949-016-8315	Sequence 8315, Ap	530	110	4.3	375	4	US-09-600-932-29	Sequence 29, Appli
458	114	4.5	593	1	US-07-668-648-4	Sequence 4, Appli	531	110	4.3	380	4	US-09-205-258-441	Sequence 441, App
459	114	4.5	593	2	US-08-429-998-4	Sequence 4, Appli	532	110	4.3	1171	1	US-08-445-135-1	Sequence 1, Appli
460	114	4.5	593	2	US-08-431-333-4	Sequence 4, Appli	533	110	4.3	1798	4	US-09-561-709B-11	Sequence 11, Appli
461	114	4.5	593	5	PCT-US91-02321-4	Sequence 4, Appli	534	109.5	4.3	248	4	US-09-600-932-28	Sequence 28, Appli
462	114	4.5	613	4	US-09-949-016-9775	Sequence 9775, Ap	535	109.5	4.3	248	4	US-09-949-016-6612	Sequence 6612, Ap
463	114	4.5	799	1	US-08-054-077C-2	Sequence 2, Appli	536	109.5	4.3	251	4	US-09-949-016-8481	Sequence 8481, Ap
464	114	4.5	1587	4	US-09-845-583A-10	Sequence 10, Appli	537	109.5	4.3	251	4	US-09-949-016-9058	Sequence 9058, Ap
465	114	4.5	1587	4	US-09-561-709B-3	Sequence 3, Appli	538	109.5	4.3	259	4	US-09-949-016-9059	Sequence 9059, Ap

539	109.5	4.3	2211	3	US-09-738-884-1	Sequence 1, Appl	612	104	4.1	194	4	US-09-312-283C-335	Sequence 335, App
540	109.5	4.3	2211	4	US-10-096-961A-1	Sequence 1, Appl	613	104	4.1	460	6	5270178-16	Patent No. 5270178
541	109	4.3	593	3	US-08-991-862-17	Sequence 17, Appl	614	104	4.1	460	2	5270178-16	Sequence 9, Appl
542	109	4.3	593	4	US-08-913-156-17	Sequence 17, Appl	615	104	4.1	463	2	US-08-162-402B-9	Sequence 44, Appl
543	109	4.3	593	4	US-09-456-886-17	Sequence 17, Appl	616	104	4.1	908	4	US-08-714-741-44	Sequence 10, Appl
544	109	4.3	593	4	US-09-824-647-17	Sequence 17, Appl	617	104	4.1	1725	4	US-09-560-385A-10	Sequence 4, Appl
545	109	4.3	784	4	US-09-949-016-9467	Sequence 9467, Ap	618	103.5	4.1	768	1	US-08-454-455-4	Sequence 15, Appl
546	109	4.3	3460	3	US-09-334-220-1	Sequence 1, Appl	619	103.5	4.1	1111	1	US-08-317-450B-15	Sequence 15, Appl
547	108.5	4.3	485	4	US-09-949-016-10882	Sequence 10882, A	620	103.5	4.1	1111	3	US-08-800-593-15	Sequence 15, Appl
548	108.5	4.3	700	4	US-08-933-711B-5	Sequence 5, Appl	621	103.5	4.1	1172	4	US-09-560-385A-28	Sequence 28, Appl
549	108	4.3	495	4	US-10-006-011A-4	Sequence 4, Appl	622	103.5	4.1	1172	4	US-09-560-385A-32	Sequence 32, Appl
550	108	4.3	705	4	US-10-006-011A-7	Sequence 3, Appl	623	103.5	4.1	1193	1	US-08-317-450B-13	Sequence 13, Appl
551	107.5	4.3	178	4	US-09-706-722A-7	Sequence 7, Appl	624	103.5	4.1	1193	3	US-08-800-593-13	Sequence 13, Appl
552	107.5	4.3	577	2	US-07-728-215-29	Sequence 29, Appl	625	103.5	4.1	1193	4	US-09-560-385A-26	Sequence 26, Appl
553	107.5	4.3	577	3	US-08-938-085A-29	Sequence 29, Appl	626	103.5	4.1	1193	4	US-09-560-385A-30	Sequence 30, Appl
554	107.5	4.3	577	4	US-10-072-844-29	Sequence 29, Appl	627	103	4.1	122	3	US-08-722-126A-9	Sequence 9, Appl
555	107.5	4.3	577	4	US-10-072-838-29	Sequence 29, Appl	628	103	4.1	122	5	PCT-US95-04258-9	Sequence 9, Appl
556	107.5	4.3	577	4	US-10-072-838-31	Sequence 29, Appl	629	103	4.1	139	4	US-09-248-796A-15094	Sequence 15094, A
557	107.5	4.3	577	4	US-10-072-841A-31	Sequence 29, Appl	630	103	4.1	575	4	US-09-482-273-159	Sequence 159, App
558	107.5	4.3	577	4	US-10-219-631A-31	Sequence 29, Appl	631	103	4.1	614	4	US-09-949-016-8536	Sequence 8536, Ap
559	107.5	4.3	757	4	US-09-949-016-6963	Sequence 6963, Ap	632	103	4.1	614	4	US-09-482-273-245	Sequence 245, App
560	107.5	4.3	758	4	US-08-789-078-1	Sequence 1, Appl	633	103	4.1	788	2	US-07-728-215-27	Sequence 27, Appl
561	107.5	4.3	769	2	US-08-753-633-1	Sequence 1, Appl	634	103	4.1	788	3	US-08-938-085A-27	Sequence 27, Appl
562	107.5	4.3	769	2	US-08-476-062A-45	Sequence 45, Appl	635	103	4.1	788	4	US-10-072-844-27	Sequence 27, Appl
563	107.5	4.3	769	2	US-07-728-215-31	Sequence 31, Appl	636	103	4.1	788	4	US-10-072-838-27	Sequence 27, Appl
564	107.5	4.3	769	3	US-08-938-085A-31	Sequence 31, Appl	637	103	4.1	788	4	US-10-072-841A-27	Sequence 27, Appl
565	107.5	4.3	769	4	US-10-072-844-31	Sequence 31, Appl	638	103	4.1	788	4	US-09-949-016-10746	Sequence 10746, A
566	107.5	4.3	769	4	US-10-072-838-31	Sequence 31, Appl	639	103	4.1	794	4	US-08-144-121-3	Sequence 3, Appl
567	107.5	4.3	769	4	US-10-072-841A-31	Sequence 31, Appl	640	103	4.1	1147	1	US-08-735-893-3	Sequence 3, Appl
568	107.5	4.3	769	4	US-10-219-631A-31	Sequence 31, Appl	641	103	4.1	1147	2	US-08-144-121-2	Sequence 2, Appl
569	107.5	4.3	769	5	PCT-US95-04886-1	Sequence 1, Appl	642	103	4.1	1165	2	US-08-735-893-2	Sequence 2, Appl
570	107.5	4.3	769	5	PCT-US96-01314-45	Sequence 45, Appl	643	103	4.1	1165	2	US-08-735-893-2	Sequence 2, Appl
571	107	4.2	718	1	US-08-444-792-4	Sequence 4, Appl	644	102.5	4.1	351	3	US-09-245-041-11	Sequence 11, Appl
572	107	4.2	718	1	US-08-445-042-4	Sequence 4, Appl	645	102.5	4.1	351	4	US-09-358-055B-11	Sequence 11, Appl
573	107	4.2	788	2	US-07-728-215-32	Sequence 32, Appl	646	102.5	4.1	351	4	US-09-893-238-11	Sequence 11, Appl
574	107	4.2	788	3	US-08-938-085A-32	Sequence 32, Appl	647	102.5	4.1	409	3	US-09-065-872-2	Sequence 2, Appl
575	107	4.2	788	3	US-09-409-648-3	Sequence 3, Appl	648	102.5	4.1	409	4	US-09-667-570A-2	Sequence 2, Appl
576	107	4.2	788	3	US-09-409-648-3	Sequence 3, Appl	649	102.5	4.1	410	3	US-09-065-872-1	Sequence 1, Appl
577	107	4.2	788	4	US-10-072-844-32	Sequence 32, Appl	650	102.5	4.1	410	4	US-09-667-570A-1	Sequence 1, Appl
578	107	4.2	788	4	US-10-072-838-32	Sequence 32, Appl	651	102.5	4.1	419	1	US-08-295-411-1	Sequence 1, Appl
579	107	4.2	788	4	US-10-072-841A-32	Sequence 32, Appl	652	102.5	4.1	419	2	US-08-955-471-1	Sequence 1, Appl
580	107	4.2	788	4	US-09-054-272-8	Sequence 8, Appl	653	102.5	4.1	419	4	US-09-667-570A-3	Sequence 3, Appl
581	107	4.2	788	4	US-09-054-272-44	Sequence 44, Appl	654	102.5	4.1	419	4	US-10-182-263-1	Sequence 1, Appl
582	107	4.2	788	4	US-10-219-631A-32	Sequence 32, Appl	655	102.5	4.1	419	4	US-10-182-263-3	Sequence 3, Appl
583	107	4.2	788	4	US-09-949-016-5901	Sequence 5901, Ap	656	102.5	4.1	419	4	US-10-182-263-4	Sequence 4, Appl
584	106.5	4.2	157	3	US-08-872-855-6	Sequence 6, Appl	657	102.5	4.1	419	4	US-10-182-263-5	Sequence 5, Appl
585	106.5	4.2	655	1	US-08-148-910-12	Sequence 12, Appl	658	102.5	4.1	419	4	US-10-182-263-6	Sequence 6, Appl
586	106.5	4.2	655	1	US-08-448-937A-12	Sequence 12, Appl	659	102.5	4.1	419	5	PCT-US92-10242-1	Sequence 1, Appl
587	106.5	4.2	700	4	US-08-933-711B-6	Sequence 6, Appl	660	102.5	4.1	460	2	US-08-756-506-2	Sequence 2, Appl
588	106.5	4.2	999	4	US-09-747-371-2	Sequence 2, Appl	661	102.5	4.1	460	2	US-08-756-506-4	Sequence 4, Appl
589	106	4.2	72	1	US-08-450-944-7	Sequence 7, Appl	662	102.5	4.1	460	6	5270178-13	Patent No. 5270178
590	106	4.2	72	5	PCT-US96-07709-7	Sequence 7, Appl	663	102.5	4.1	460	6	5270178-14	Patent No. 5270178
591	106	4.2	160	3	US-09-191-647-5	Sequence 5, Appl	664	102.5	4.1	460	6	5270178-15	Patent No. 5270178
592	106	4.2	160	3	US-09-540-245A-5	Sequence 5, Appl	665	102.5	4.1	460	6	5270178-14	Patent No. 5270178
593	106	4.2	160	3	US-09-540-153-5	Sequence 5, Appl	666	102.5	4.1	460	6	5270178-14	Patent No. 5270178
594	106	4.2	492	3	US-09-724-864-39	Sequence 39, Appl	667	102.5	4.1	460	6	5270178-15	Patent No. 5270178
595	106	4.2	1761	4	US-09-561-709B-1	Sequence 1, Appl	668	102.5	4.1	461	4	US-10-182-263-2	Sequence 2, Appl
596	105.5	4.2	238	4	US-08-170-290A-54	Sequence 54, Appl	669	102.5	4.1	461	4	US-09-054-272-32	Sequence 32, Appl
597	105.5	4.2	575	1	US-08-450-482B-117	Sequence 117, App	670	102.5	4.1	461	4	US-09-949-016-5921	Sequence 5921, Ap
598	105.5	4.2	2635	4	US-09-845-583A-2	Sequence 2, Appl	671	102.5	4.1	461	6	5225537-2	Patent No. 5225537
599	105	4.2	197	4	US-09-370-838-206	Sequence 206, App	672	102.5	4.1	461	6	5270178-2	Patent No. 5270178
600	105	4.2	197	4	US-09-854-133-206	Sequence 206, App	673	102.5	4.1	461	6	5270178-17	Patent No. 5270178
601	105	4.2	227	4	US-08-450-482B-125	Sequence 125, App	674	102.5	4.1	461	6	5270178-18	Patent No. 5270178
602	105	4.2	229	4	US-08-450-482B-127	Sequence 127, App	675	102.5	4.1	461	6	5460953-3	Patent No. 5460953
603	105	4.2	961	4	US-09-657-472-4	Sequence 4, Appl	676	102.5	4.1	461	6	5225537-2	Patent No. 5225537
604	105	4.2	961	5	PCT-US93-11725-4	Sequence 4, Appl	677	102.5	4.1	461	6	5270178-2	Patent No. 5270178
605	104.5	4.1	238	3	US-09-111-470-8	Sequence 8, Appl	678	102.5	4.1	461	6	5270178-13	Patent No. 5270178
606	104.5	4.1	238	4	US-09-862-802A-8	Sequence 8, Appl	679	102.5	4.1	461	6	5460953-3	Patent No. 5460953
607	104.5	4.1	1656	4	US-09-949-016-7247	Sequence 7247, Ap	680	102.5	4.1	461	6	5270178-2	Patent No. 5270178
608	104.5	4.1	1798	4	US-09-845-583A-8	Sequence 8, Appl	681	102.5	4.1	798	3	US-07-728-215-30	Sequence 30, Appl
609	104.5	4.1	1798	4	US-09-917-254-87	Sequence 87, Appl	682	102.5	4.1	798	3	US-08-938-085A-30	Sequence 30, Appl
610	104.5	4.1	1821	4	US-09-949-016-5938	Sequence 5938, Ap	683	102.5	4.1	798	4	US-10-072-844-30	Sequence 30, Appl
611	104	4.1	194	3	US-09-188-930-335	Sequence 335, App	684	102.5	4.1	798	4	US-10-072-838-30	Sequence 30, Appl

685	102.5	4.1	798	4	US-10-072-841A-30	Sequence 30, Appl	758	99	3.9	80	3	US-09-051-624A-2	Sequence 2, Appl
686	102.5	4.1	798	4	US-10-219-631A-30	Sequence 30, Appl	759	99	3.9	120	1	US-08-274-661B-37	Sequence 37, Appl
687	102.5	4.1	798	4	US-09-949-016-6193	Sequence 6193, Ap	760	99	3.9	177	2	US-08-465-794-17	Sequence 17, Appl
688	102.5	4.1	798	4	US-09-086-436-30	Sequence 30, Appl	761	99	3.9	177	3	US-09-049-813-17	Sequence 17, Appl
689	102	4.0	156	4	US-09-257-583-7	Sequence 7, Appl	762	99	3.9	199	5	PCT-US93-10418-4	Sequence 4, Appl
690	102	4.0	572	6	5256770-7	Patent No. 5256770	763	99	3.9	258	4	US-09-270-767-43579	Sequence 43579, A
691	102	4.0	572	6	5256770-7	Patent No. 5256770	764	99	3.9	321	4	US-09-270-767-45035	Sequence 45035, A
692	102	4.0	790	4	US-09-949-016-7017	Sequence 7017, Ap	765	99	3.9	610	1	US-08-365-470-3	Sequence 3, Appl
693	102	4.0	790	4	US-09-949-016-8169	Sequence 8169, Ap	766	99	3.9	610	3	US-09-209-668-19	Sequence 19, Appl
694	102	4.0	790	4	US-09-949-016-8170	Sequence 8170, Ap	767	99	3.9	610	3	US-09-209-668-19	Sequence 19, Appl
695	102	4.0	1417	3	US-08-900-230-3	Sequence 3, Appl	768	99	3.9	610	3	US-09-009-490A-89	Sequence 89, Appl
696	102	4.0	5405	3	US-08-718-388-9	Sequence 9, Appl	769	99	3.9	610	6	US-09-949-016-5942	Sequence 5942, Ap
697	101.5	4.0	448	2	US-08-884-072-1	Sequence 1, Appl	770	99	3.9	610	6	5217870-2	Patent No. 5217870
698	101.5	4.0	448	3	US-09-212-168-1	Sequence 1, Appl	771	99	3.9	696	4	US-08-933-711B-7	Sequence 7, Appl
699	101.5	4.0	448	4	US-09-403-036-4	Sequence 4, Appl	772	99	3.9	965	4	US-09-538-092-650	Sequence 538, App
700	101.5	4.0	504	4	US-09-949-016-7403	Sequence 7403, Ap	773	99	3.9	4302	3	US-08-658-136-5	Sequence 5, Appl
701	101.5	4.0	663	4	US-08-933-711B-16	Sequence 16, Appl	774	98.5	3.9	78	1	US-08-264-534-2	Sequence 2, Appl
702	101	4.0	320	3	US-09-183-861-22	Sequence 22, Appl	775	98.5	3.9	78	1	US-08-083-590A-15	Sequence 15, Appl
703	101	4.0	320	3	US-09-183-861-55	Sequence 55, Appl	776	98.5	3.9	78	1	US-08-465-500-2	Sequence 2, Appl
704	101	4.0	320	3	US-09-022-765-22	Sequence 22, Appl	777	98.5	3.9	78	2	US-08-346-126-2	Sequence 2, Appl
705	101	4.0	320	3	US-09-022-765-55	Sequence 55, Appl	778	98.5	3.9	78	2	US-08-346-128-2	Sequence 2, Appl
706	101	4.0	320	4	US-09-551-974A-22	Sequence 22, Appl	779	98.5	3.9	78	3	US-08-532-384-15	Sequence 15, Appl
707	101	4.0	320	4	US-09-551-974A-55	Sequence 55, Appl	780	98.5	3.9	78	3	US-08-893-828-2	Sequence 2, Appl
708	101	4.0	320	4	US-09-565-501A-22	Sequence 22, Appl	781	98.5	3.9	174	2	US-08-401-530A-6	Sequence 6, Appl
709	101	4.0	320	4	US-09-565-501A-55	Sequence 55, Appl	782	98.5	3.9	174	2	US-08-709-662-6	Sequence 6, Appl
710	101	4.0	320	4	US-09-639-206A-22	Sequence 22, Appl	783	98.5	3.9	234	3	US-09-040-483-5	Sequence 5, Appl
711	101	4.0	320	4	US-09-639-206A-55	Sequence 55, Appl	784	98.5	3.9	234	3	US-08-740-036-5	Sequence 5, Appl
712	101	4.0	320	4	US-09-874-923-22	Sequence 22, Appl	785	98.5	3.9	314	2	US-08-460-309-19	Sequence 19, Appl
713	101	4.0	320	4	US-09-874-923-55	Sequence 55, Appl	786	98.5	3.9	314	2	US-08-125-077-19	Sequence 19, Appl
714	101	4.0	320	4	US-08-798-841-22	Sequence 22, Appl	787	98.5	3.9	325	4	US-09-949-016-11467	Sequence 11467, A
715	101	4.0	673	1	US-08-282-141-3	Sequence 3, Appl	788	98.5	3.9	325	4	US-09-949-016-11468	Sequence 11468, A
716	101	4.0	673	1	US-08-435-434-1	Sequence 1, Appl	789	98.5	3.9	352	4	US-09-949-016-8273	Sequence 8273, Ap
717	101	4.0	673	1	US-08-435-436-1	Sequence 1, Appl	790	98.5	3.9	352	4	US-09-949-016-8274	Sequence 8274, Ap
718	101	4.0	673	2	US-08-438-863-1	Sequence 1, Appl	791	98.5	3.9	353	4	US-09-482-273-243	Sequence 243, App
719	101	4.0	673	2	US-08-438-864-1	Sequence 1, Appl	792	98.5	3.9	387	2	US-08-884-072-5	Sequence 5, Appl
720	101	4.0	673	3	US-08-438-862-1	Sequence 1, Appl	793	98.5	3.9	387	2	US-08-833-963C-9	Sequence 9, Appl
721	101	4.0	673	3	US-08-628-747-1	Sequence 1, Appl	794	98.5	3.9	387	3	US-08-980-514-3	Sequence 3, Appl
722	101	4.0	673	3	US-08-402-253-1	Sequence 1, Appl	795	98.5	3.9	387	3	US-09-212-168-5	Sequence 5, Appl
723	101	4.0	673	3	US-08-443-866B-1	Sequence 1, Appl	796	98.5	3.9	387	4	US-09-409-096-2	Sequence 2, Appl
724	101	4.0	676	3	US-08-630-172-10	Sequence 10, Appl	797	98.5	3.9	493	4	US-09-322-357-1	Sequence 2, Appl
725	101	4.0	676	3	US-09-375-419-10	Sequence 10, Appl	798	98.5	3.9	857	2	US-08-659-251-2	Sequence 2, Appl
726	101	4.0	709	4	US-09-874-923-121	Sequence 121, App	799	98.5	3.9	857	3	US-09-256-490-2	Sequence 2, Appl
727	101	4.0	781	4	US-09-949-016-6959	Sequence 6959, Ap	800	98.5	3.9	857	5	PCT-US96-11445-2	Sequence 2, Appl
728	101	4.0	970	4	US-09-949-016-10131	Sequence 10131, Ap	801	98	3.9	117	6	5514582-15	Patent No. 5514582
729	101	4.0	1106	4	US-09-949-016-3626	Sequence 9626, Ap	802	98	3.9	117	6	5514582-15	Patent No. 5514582
730	101	4.0	4302	3	US-09-052-469-8	Sequence 8, Appl	803	98	3.9	448	4	US-09-949-016-10130	Sequence 10130, A
731	101	4.0	4302	4	US-08-422-582-8	Sequence 8, Appl	804	97.5	3.9	277	4	US-09-600-932-2	Sequence 2, Appl
732	101	4.0	4302	4	US-09-052-262-8	Sequence 8, Appl	805	97.5	3.9	638	2	US-08-897-443-1	Sequence 1, Appl
733	101	4.0	4303	2	US-08-460-751-2	Sequence 2, Appl	806	97.5	3.9	677	4	US-09-949-016-11369	Sequence 11369, A
734	101	4.0	4303	4	US-09-479-467A-2	Sequence 2, Appl	807	97.5	3.9	677	4	US-09-949-016-11370	Sequence 11370, A
735	101	4.0	4339	3	US-08-052-469-6	Sequence 6, Appl	808	97.5	3.9	677	4	US-09-949-016-11371	Sequence 11371, A
736	101	4.0	4339	4	US-08-422-582-6	Sequence 6, Appl	809	97.5	3.9	677	4	US-09-949-016-11372	Sequence 11372, A
737	101	4.0	4339	4	US-09-052-262-6	Sequence 6, Appl	810	97.5	3.9	963	4	US-09-949-016-11519	Sequence 11519, A
738	100.5	4.0	1461	4	US-10-142-231-86	Sequence 86, Appl	811	97.5	3.9	963	4	US-09-949-016-11520	Sequence 11520, A
739	100	4.0	243	2	US-08-460-309-15	Sequence 15, Appl	812	97.5	3.9	1073	4	US-09-949-016-9771	Sequence 9771, Ap
740	100	4.0	243	2	US-08-125-077-15	Sequence 15, Appl	813	97.5	3.9	2088	4	US-09-548-372D-13	Sequence 13, Appl
741	100	4.0	244	3	US-08-772-440-2	Sequence 2, Appl	814	97.5	3.9	2088	4	US-09-548-367D-13	Sequence 13, Appl
742	100	4.0	592	4	US-08-933-711B-18	Sequence 18, Appl	815	97.5	3.9	2088	4	US-09-551-853D-13	Sequence 13, Appl
743	100	4.0	871	3	US-09-245-041-19	Sequence 19, Appl	816	97.5	3.9	2088	4	US-09-548-376D-13	Sequence 13, Appl
744	100	4.0	871	4	US-09-358-055B-19	Sequence 19, Appl	817	97.5	3.9	2088	4	US-09-548-373D-13	Sequence 13, Appl
745	100	4.0	871	4	US-09-893-238-19	Sequence 19, Appl	818	97.5	3.9	2088	4	US-09-548-366F-13	Sequence 13, Appl
746	100	4.0	1694	4	US-09-560-385A-12	Sequence 12, Appl	819	97.5	3.9	2088	4	US-09-548-368D-13	Sequence 13, Appl
747	99.5	3.9	154	3	US-09-191-647-10	Sequence 10, Appl	820	97	3.8	110	6	5514582-9	Patent No. 5514582
748	99.5	3.9	154	3	US-09-540-245A-10	Sequence 10, Appl	821	97	3.8	110	6	5514582-9	Patent No. 5514582
749	99.5	3.9	154	3	US-09-540-153-10	Sequence 10, Appl	822	97	3.8	155	4	US-09-898-554-16	Sequence 16, Appl
750	99.5	3.9	238	4	US-09-004-730A-112	Sequence 112, App	823	97	3.8	201	4	US-09-898-554-16	Sequence 20, Appl
751	99.5	3.9	238	4	US-08-981-799A-112	Sequence 112, App	824	97	3.8	363	4	US-09-898-554-20	Sequence 20, Appl
752	99.5	3.9	242	4	US-08-004-730A-119	Sequence 119, App	825	97	3.8	787	4	US-10-000-489-70	Sequence 70, Appl
753	99.5	3.9	242	4	US-08-981-799A-119	Sequence 119, App	826	97	3.8	799	2	US-08-525-940-23	Sequence 23, Appl
754	99.5	3.9	264	4	US-09-004-730A-115	Sequence 115, App	827	97	3.8	799	2	US-08-976-838-23	Sequence 23, Appl
755	99.5	3.9	264	4	US-08-981-799A-115	Sequence 115, App	828	97	3.8	881	2	US-08-525-940-21	Sequence 21, Appl
756	99.5	3.9	2476	2	US-08-276-967-2	Sequence 2, Appl	829	97	3.8	881	2	US-08-976-838-21	Sequence 21, Appl
757	99	3.9	80	3	US-08-663-191A-3	Sequence 3, Appl	830	97	3.8	915	2	US-08-525-940-18	Sequence 18, Appl

831	97	3.8	915	2	US-08-976-838-18	Sequence 18, Appl	904	95.5	3.8	846	4	US-10-072-838-33	Sequence 33, Appl
832	97	3.8	915	3	US-09-214-555B-2	Sequence 2, Appli	905	95.5	3.8	846	4	US-10-072-841A-33	Sequence 33, Appl
833	97	3.8	915	3	US-09-214-555B-7	Sequence 7, Appl	906	95.5	3.8	846	4	US-10-219-631A-33	Sequence 33, Appl
834	97	3.8	1436	4	US-09-578-063-78	Sequence 78, Appl	907	95.5	3.8	910	4	US-09-902-540-10793	Sequence 10793, A
835	97	3.8	1586	4	US-09-060-293A-44	Sequence 44, Appl	908	95.5	3.8	956	4	US-09-949-016-6215	Sequence 6215, Ap
836	97	3.8	1586	4	US-09-402-923A-44	Sequence 44, Appl	909	95.5	3.8	1049	4	US-09-538-092-72	Sequence 72, Appl
837	97	3.8	1614	4	US-09-060-299-42	Sequence 42, Appl	910	95.5	3.8	2594	3	US-08-718-388-7	Sequence 7, Appli
838	97	3.8	1614	4	US-09-402-923A-42	Sequence 42, Appl	911	95.5	3.8	5179	4	US-09-538-092-1258	Sequence 1258, Ap
839	97	3.8	1882	3	US-09-369-364A-13	Sequence 13, Appl	912	95	3.8	198	4	US-09-902-540-15333	Sequence 15333, A
840	96.5	3.8	247	4	US-09-270-767-45893	Sequence 4593, A	913	95	3.8	241	2	US-08-460-309-17	Sequence 17, Appl
841	96.5	3.8	291	2	US-08-688-342-5	Sequence 5, Appli	914	95	3.8	241	2	US-08-125-077-17	Sequence 17, Appl
842	96.5	3.8	291	3	US-09-113-788-5	Sequence 5, Appli	915	95	3.8	350	2	US-08-999-811-4	Sequence 4, Appli
843	96.5	3.8	291	3	US-09-111-470-5	Sequence 5, Appli	916	95	3.8	350	2	US-08-824-996-2	Sequence 2, Appli
844	96.5	3.8	291	4	US-09-862-802A-5	Sequence 5, Appli	917	95	3.8	350	3	US-09-042-105-4	Sequence 4, Appli
845	96.5	3.8	296	4	US-09-489-847-293	Sequence 293, App	918	95	3.8	350	3	US-08-510-133A-33	Sequence 33, Appl
846	96.5	3.8	311	4	US-09-949-016-9362	Sequence 9362, Ap	919	95	3.8	350	3	US-08-585-895-33	Sequence 33, Appl
847	96.5	3.8	335	4	US-09-312-283C-186	Sequence 186, App	920	95	3.8	350	4	US-10-084-488-4	Sequence 4, Appli
848	96.5	3.8	347	4	US-09-636-215-590	Sequence 590, App	921	95	3.8	419	2	US-08-999-811-2	Sequence 2, Appli
849	96.5	3.8	347	4	US-09-685-166A-590	Sequence 590, App	922	95	3.8	419	3	US-09-042-105-2	Sequence 2, Appli
850	96.5	3.8	347	4	US-09-679-425-590	Sequence 590, App	923	95	3.8	419	3	US-09-042-105-18	Sequence 18, Appl
851	96.5	3.8	347	4	US-09-759-143-590	Sequence 590, App	924	95	3.8	419	3	US-08-795-430-8	Sequence 8, Appli
852	96.5	3.8	347	4	US-09-651-236-590	Sequence 590, App	925	95	3.8	419	3	US-08-510-133A-35	Sequence 35, Appl
853	96.5	3.8	374	2	US-08-820-170A-25	Sequence 25, Appl	926	95	3.8	419	3	US-09-355-700-8	Sequence 8, Appli
854	96.5	3.8	374	3	US-09-055-699-25	Sequence 25, Appl	927	95	3.8	419	3	US-09-355-700-58	Sequence 58, Appl
855	96.5	3.8	374	3	US-09-273-565-25	Sequence 25, Appl	928	95	3.8	419	4	US-08-601-132-33	Sequence 33, Appl
856	96.5	3.8	374	3	US-09-565-538-25	Sequence 25, Appl	929	95	3.8	419	4	US-08-706-054A-3	Sequence 3, Appli
857	96.5	3.8	374	3	US-09-661-468-25	Sequence 25, Appl	930	95	3.8	419	4	US-08-333-239-3	Sequence 3, Appli
858	96.5	3.8	374	4	US-09-976-165-25	Sequence 25, Appl	931	95	3.8	419	4	US-08-465-968-2	Sequence 2, Appli
859	96.5	3.8	374	4	US-09-227-853A-2	Sequence 2, Appli	932	95	3.8	419	4	US-08-671-573B-33	Sequence 33, Appl
860	96.5	3.8	374	5	PCP-US95-06385-2	Sequence 2, Appli	933	95	3.8	419	4	US-09-438-046-14	Sequence 14, Appl
861	96.5	3.8	482	4	US-08-933-711B-8	Sequence 8, Appli	934	95	3.8	419	4	US-09-631-092B-33	Sequence 33, Appl
862	96.5	3.8	505	1	US-08-220-603A-10	Sequence 10, Appl	935	95	3.8	419	4	US-10-084-488-2	Sequence 2, Appli
863	96.5	3.8	657	4	US-09-949-016-11365	Sequence 11365, A	936	95	3.8	419	4	US-10-084-488-18	Sequence 18, Appl
864	96.5	3.8	657	4	US-09-949-016-11366	Sequence 11366, A	937	95	3.8	419	4	US-09-375-248-4	Sequence 4, Appli
865	96.5	3.8	657	4	US-09-949-016-11367	Sequence 11367, A	938	95	3.8	419	4	US-09-468-647A-108	Sequence 108, App
866	96.5	3.8	657	4	US-09-949-016-11368	Sequence 11368, A	939	95	3.8	419	4	US-09-534-376A-8	Sequence 8, Appli
867	96.5	3.8	1388	4	US-09-463-048A-6	Sequence 6, Appli	940	95	3.8	419	4	US-09-534-376A-58	Sequence 58, Appl
868	96.5	3.8	1497	4	US-09-060-854B-2	Sequence 2, Appli	941	95	3.8	419	4	US-09-169-079-21	Sequence 21, Appl
869	96.5	3.8	1497	4	US-09-529-904-3	Sequence 3, Appli	942	95	3.8	419	5	US-09-214-982-23	Sequence 23, Appl
870	96.5	3.8	1621	4	US-09-949-016-8450	Sequence 8450, Ap	943	95	3.8	419	5	PCP-US96-09001-2	Sequence 2, Appli
871	96	3.8	120	6	5447911-1	Patent No. 5447911	944	95	3.8	486	4	US-08-162-402B-8	Sequence 8, Appli
872	96	3.8	120	6	5447911-1	Patent No. 5447911	945	95	3.8	486	4	US-09-914-259-35	Sequence 35, Appl
873	96	3.8	199	3	US-08-772-440-13	Sequence 13, Appl	946	95	3.8	486	4	US-09-976-594-278	Sequence 278, App
874	96	3.8	237	3	US-09-111-470-2	Sequence 2, Appli	947	95	3.8	486	4	US-09-949-016-6216	Sequence 6216, Ap
875	96	3.8	237	3	US-09-862-802A-2	Sequence 2, Appli	948	95	3.8	507	4	US-09-949-016-9878	Sequence 9878, Ap
876	96	3.8	666	3	US-09-422-869-18	Sequence 18, Appl	949	95	3.8	507	4	US-09-949-016-9878	Sequence 9878, Ap
877	96	3.8	915	4	US-09-907-794A-34	Sequence 34, Appl	950	94.5	3.7	136	6	5189019-6	Patent No. 5189019
878	96	3.8	915	4	US-09-905-125A-34	Sequence 34, Appl	951	94.5	3.7	136	6	5189019-6	Patent No. 5189019
879	96	3.8	915	4	US-09-902-775A-34	Sequence 34, Appl	952	94.5	3.7	175	2	US-08-401-530A-3	Sequence 3, Appli
880	96	3.8	915	4	US-09-906-700-34	Sequence 34, Appl	953	94.5	3.7	175	2	US-08-709-662-3	Sequence 3, Appli
881	96	3.8	915	4	US-09-903-603A-34	Sequence 34, Appl	954	94.5	3.7	248	4	US-08-450-482B-115	Sequence 115, App
882	96	3.8	915	4	US-09-904-920A-34	Sequence 34, Appl	955	94.5	3.7	513	2	US-08-480-229C-14	Sequence 14, Appl
883	96	3.8	915	4	US-09-909-064-34	Sequence 34, Appl	956	94.5	3.7	513	2	US-08-659-235C-14	Sequence 14, Appl
884	96	3.8	915	4	US-09-905-381A-34	Sequence 34, Appl	957	94.5	3.7	584	4	US-09-949-016-10340	Sequence 10340, A
885	96	3.8	915	4	US-09-906-618-34	Sequence 34, Appl	958	94	3.7	584	4	US-09-949-016-10341	Sequence 10341, A
886	96	3.8	1725	4	US-09-562-702A-20	Sequence 20, Appl	959	94	3.7	119	1	US-08-340-539A-16	Sequence 16, Appl
887	96	3.8	1725	4	US-09-561-818A-20	Sequence 20, Appl	960	94	3.7	165	4	US-08-706-722A-3	Sequence 3, Appli
888	96	3.8	1786	4	US-09-562-702A-18	Sequence 18, Appl	961	94	3.7	240	4	US-10-006-011A-5	Sequence 5, Appli
889	96	3.8	1786	4	US-09-561-818A-18	Sequence 18, Appl	962	94	3.7	686	3	US-09-245-041-13	Sequence 13, Appl
890	96	3.8	2362	4	US-09-949-016-8985	Sequence 8985, Ap	963	94	3.7	686	4	US-09-358-055B-13	Sequence 13, Appl
891	95.5	3.8	123	6	5514582-19	Patent No. 5514582	964	94	3.7	686	4	US-09-893-238-13	Sequence 13, Appl
892	95.5	3.8	123	6	5514582-19	Patent No. 5514582	965	94	3.7	1142	4	US-09-252-991A-18234	Sequence 18234, A
893	95.5	3.8	126	3	US-08-772-440-10	Sequence 10, Appl	966	94	3.7	1153	4	US-09-560-385A-16	Sequence 16, Appl
894	95.5	3.8	161	3	US-09-011-735-6	Sequence 6, Appli	967	94	3.7	1170	4	US-09-561-709B-12	Sequence 12, Appl
895	95.5	3.8	176	3	US-08-772-440-8	Sequence 8, Appli	968	94	3.7	1196	1	US-08-144-121-4	Sequence 4, Appli
896	95.5	3.8	180	3	US-08-772-440-31	Sequence 31, Appl	969	94	3.7	1196	2	US-08-735-893-4	Sequence 4, Appli
897	95.5	3.8	317	3	US-09-383-586-20	Sequence 20, Appl	970	94	3.7	1765	4	US-09-562-702A-16	Sequence 16, Appl
898	95.5	3.8	351	3	US-09-823-038A-20	Sequence 20, Appl	971	94	3.7	1765	4	US-09-561-818A-16	Sequence 16, Appl
899	95.5	3.8	351	3	US-09-011-735-1	Sequence 1, Appli	972	94	3.7	1786	4	US-09-562-702A-14	Sequence 14, Appl
900	95.5	3.8	351	3	US-09-029-156-1	Sequence 1, Appli	973	94	3.7	1786	4	US-09-561-818A-14	Sequence 14, Appl
901	95.5	3.8	846	2	US-07-728-215-33	Sequence 33, Appl	974	94	3.7	1786	4	US-09-561-709B-9	Sequence 9, Appli
902	95.5	3.8	846	3	US-08-938-085A-33	Sequence 33, Appl	975	94	3.7	1786	4	US-09-538-092-869	Sequence 869, App
903	95.5	3.8	846	4	US-10-072-844-33	Sequence 33, Appl	976	93.5	3.7	461	3	US-08-742-877-2	Sequence 2, Appli

977	93.5	3.7	580	3	US-08-482-677-10	Sequence 10, Appl	1050	91.5	3.6	180	4	US-09-510-238A-286	Sequence 286, Appl
978	93.5	3.7	580	4	US-10-033-174-10	Sequence 10, Appl	1051	91.5	3.6	192	4	US-09-252-991A-22703	Sequence 22703, A
979	93.5	3.7	589	1	US-07-668-648-6	Sequence 6, Appl	1052	91.5	3.6	252	4	US-09-949-016-8814	Sequence 8814, Ap
980	93.5	3.7	589	2	US-08-429-998-6	Sequence 6, Appl	1053	91.5	3.6	252	1	US-08-152-019A-30	Sequence 30, Appl
981	93.5	3.7	589	3	US-08-431-333-6	Sequence 6, Appl	1054	91.5	3.6	380	3	US-08-468-846-2	Sequence 2, Appl
982	93.5	3.7	589	3	US-08-991-862-2	Sequence 2, Appl	1055	91.5	3.6	380	3	US-08-915-096A-2	Sequence 2, Appl
983	93.5	3.7	589	4	US-09-813-156-2	Sequence 2, Appl	1056	91.5	3.6	384	4	US-09-949-016-9661	Sequence 9661, Ap
984	93.5	3.7	589	4	US-09-456-886-2	Sequence 2, Appl	1057	91.5	3.6	415	1	US-08-073-531B-1	Sequence 1, Appl
985	93.5	3.7	589	4	US-09-824-647-2	Sequence 2, Appl	1058	91.5	3.6	415	1	US-08-235-411-2	Sequence 2, Appl
986	93.5	3.7	589	5	PCT-US91-02321-6	Sequence 6, Appl	1059	91.5	3.6	415	2	US-08-955-471-1	Sequence 2, Appl
987	93.5	3.7	1083	1	US-08-296-014A-2	Sequence 2, Appl	1060	91.5	3.6	415	2	US-08-766-288-1	Sequence 1, Appl
988	93.5	3.7	1083	2	US-08-596-405-2	Sequence 2, Appl	1061	91.5	3.6	415	5	PCT-US92-10242-2	Sequence 2, Appl
989	93.5	3.7	1083	2	US-08-877-620-2	Sequence 2, Appl	1062	91.5	3.6	443	2	US-08-833-963C-2	Sequence 2, Appl
990	93.5	3.7	1083	4	US-09-287-368-2	Sequence 2, Appl	1063	91.5	3.6	443	3	US-08-980-514-1	Sequence 1, Appl
991	93.5	3.7	1083	4	US-09-626-795-2	Sequence 2, Appl	1064	91.5	3.6	466	4	US-09-949-016-7792	Sequence 7792, Ap
992	93.5	3.7	1342	4	US-09-561-709B-13	Sequence 13, Appl	1065	91.5	3.6	1010	4	US-09-118-276-12	Sequence 12, Appl
993	93.5	3.7	1917	4	US-09-627-650B-5	Sequence 5, Appl	1066	91.5	3.6	1101	4	US-09-561-709B-5	Sequence 5, Appl
994	93.5	3.7	1917	4	US-09-436-063C-5	Sequence 5, Appl	1067	91	3.6	79	4	US-10-006-011A-7	Sequence 7, Appl
995	93.5	3.7	2813	4	US-09-381-261A-1	Sequence 1, Appl	1068	91	3.6	234	4	US-09-902-540-15175	Sequence 15175, A
996	93.5	3.7	4654	3	US-08-476-515A-84	Sequence 84, Appl	1069	91	3.6	247	4	US-09-898-554-14	Sequence 14, Appl
997	93.5	3.7	4655	3	US-08-652-877-84	Sequence 84, Appl	1070	91	3.6	253	4	US-09-949-016-10527	Sequence 10527, A
998	93.5	3.7	4655	3	US-08-652-877-86	Sequence 86, Appl	1071	91	3.6	418	3	US-08-795-430-13	Sequence 13, Appl
999	93.5	3.7	4655	3	US-08-652-877-88	Sequence 88, Appl	1072	91	3.6	418	3	US-09-355-700-13	Sequence 13, Appl
1000	93.5	3.7	4655	1	US-08-274-661B-36	Sequence 36, Appl	1073	91	3.6	418	4	US-09-534-376A-13	Sequence 13, Appl
1001	93	3.7	120	1	US-08-652-877-90	Sequence 90, Appl	1074	91	3.6	995	2	US-08-673-789-5	Sequence 5, Appl
1002	93	3.7	134	3	US-08-543-246B-20	Sequence 20, Appl	1075	91	3.6	997	4	US-09-747-371-3	Sequence 3, Appl
1003	93	3.7	216	3	US-08-543-246B-34	Sequence 34, Appl	1076	91	3.6	1155	4	US-09-560-385A-24	Sequence 24, Appl
1004	93	3.7	216	3	US-08-543-246B-34	Sequence 34, Appl	1077	91	3.6	1167	4	US-09-560-385A-20	Sequence 20, Appl
1005	93	3.7	589	1	US-07-668-648-2	Sequence 2, Appl	1078	91	3.6	1172	4	US-09-919-172-16	Sequence 16, Appl
1006	93	3.7	589	2	US-08-429-998-2	Sequence 2, Appl	1079	91	3.6	1174	4	US-09-560-385A-22	Sequence 22, Appl
1007	93	3.7	589	2	US-08-431-333-2	Sequence 2, Appl	1080	91	3.6	1186	4	US-09-560-385A-18	Sequence 18, Appl
1008	93	3.7	589	5	PCT-US91-02321-2	Sequence 2, Appl	1081	91	3.6	1345	2	US-08-977-767-3	Sequence 3, Appl
1009	93	3.7	750	4	US-09-270-767-42975	Sequence 42975, A	1082	91	3.6	3461	3	US-09-334-220-2	Sequence 2, Appl
1010	93	3.7	1172	4	US-09-560-385A-36	Sequence 36, Appl	1083	90.5	3.6	77	4	US-09-531-056A-22	Sequence 22, Appl
1011	93	3.7	1191	4	US-09-560-385A-34	Sequence 34, Appl	1084	90.5	3.6	230	2	US-08-471-371-2	Sequence 2, Appl
1012	93	3.7	2050	4	US-08-347-594A-2	Sequence 2, Appl	1085	90.5	3.6	559	4	US-10-136-227A-28	Sequence 28, Appl
1013	92.5	3.7	104	3	US-09-191-647-13	Sequence 13, Appl	1086	90.5	3.6	559	4	US-09-981-649A-28	Sequence 28, Appl
1014	92.5	3.7	104	3	US-09-540-245A-13	Sequence 13, Appl	1087	90.5	3.6	620	1	US-08-325-071-65	Sequence 65, Appl
1015	92.5	3.7	104	3	US-09-540-153-13	Sequence 13, Appl	1088	90.5	3.6	620	3	US-08-461-004A-65	Sequence 65, Appl
1016	92.5	3.7	248	4	US-09-252-991A-17358	Sequence 17358, A	1089	90.5	3.6	943	3	US-08-476-515A-12	Sequence 12, Appl
1017	92.5	3.7	271	1	US-08-152-019A-28	Sequence 28, Appl	1090	90.5	3.6	944	3	US-08-652-877-12	Sequence 12, Appl
1018	92.5	3.7	415	4	US-09-118-748-2	Sequence 2, Appl	1091	90.5	3.6	1019	4	US-09-902-540-15897	Sequence 15897, A
1019	92.5	3.7	457	4	US-09-774-639-108	Sequence 108, Appl	1092	90.5	3.6	1104	2	US-08-327-832-5	Sequence 5, Appl
1020	92.5	3.7	461	3	US-09-053-871A-21	Sequence 21, Appl	1093	90.5	3.6	1104	2	US-08-828-584-5	Sequence 5, Appl
1021	92.5	3.7	461	6	US-10-133-907-5	Sequence 5, Appl	1094	90.5	3.6	1242	4	US-09-488-270A-2	Sequence 2, Appl
1022	92.5	3.7	461	6	5521070-2	Patent No. 5521070	1095	90	3.6	255	4	US-10-006-011A-8	Sequence 8, Appl
1023	92.5	3.7	461	6	5521070-2	Patent No. 5521070	1096	90	3.6	284	4	US-10-006-011A-9	Sequence 9, Appl
1024	92.5	3.7	769	1	US-08-454-455-6	Sequence 6, Appl	1097	90	3.6	349	3	US-09-006-353A-13	Sequence 13, Appl
1025	92.5	3.7	769	4	US-09-949-016-10169	Sequence 10169, A	1098	90	3.6	349	4	US-09-573-986-13	Sequence 13, Appl
1026	92.5	3.7	831	4	US-08-296-014A-4	Sequence 4, Appl	1099	90	3.6	357	4	US-09-949-016-9074	Sequence 9074, Ap
1027	92.5	3.7	1019	1	US-08-596-405-4	Sequence 4, Appl	1100	90	3.6	550	4	US-09-949-016-11512	Sequence 11512, A
1028	92.5	3.7	1019	2	US-08-596-405-4	Sequence 4, Appl	1101	90	3.6	746	4	US-09-548-797B-4	Sequence 4, Appl
1029	92.5	3.7	1019	2	US-08-877-620-4	Sequence 4, Appl	1102	90	3.6	787	4	US-09-548-797B-5	Sequence 5, Appl
1030	92.5	3.7	1019	4	US-09-287-368-4	Sequence 4, Appl	1103	90	3.6	802	4	US-09-632-098-2	Sequence 2, Appl
1031	92.5	3.7	1019	4	US-09-626-795-4	Sequence 4, Appl	1104	90	3.6	802	4	US-10-177-308-2	Sequence 2, Appl
1032	92	3.6	119	1	US-08-340-539A-15	Sequence 15, Appl	1105	90	3.6	812	4	US-09-632-098-4	Sequence 4, Appl
1033	92	3.6	119	1	US-08-340-539A-18	Sequence 18, Appl	1106	90	3.6	812	4	US-10-177-308-4	Sequence 4, Appl
1034	92	3.6	169	2	US-08-460-309-20	Sequence 20, Appl	1107	90	3.6	849	4	US-09-548-797B-6	Sequence 6, Appl
1035	92	3.6	169	2	US-08-125-077-20	Sequence 20, Appl	1108	90	3.6	997	3	US-09-369-364A-7	Sequence 7, Appl
1036	92	3.6	174	2	US-08-401-530A-2	Sequence 2, Appl	1109	90	3.6	1156	3	US-08-996-083-1	Sequence 1, Appl
1037	92	3.6	174	2	US-08-709-662-2	Sequence 2, Appl	1110	90	3.6	1156	3	US-09-429-516-1	Sequence 1, Appl
1038	92	3.6	175	1	US-08-903-725-6	Sequence 6, Appl	1111	90	3.6	1156	3	US-09-429-516-3	Sequence 3, Appl
1039	92	3.6	257	4	US-09-312-283C-381	Sequence 381, Appl	1112	90	3.6	1400	3	US-08-630-915A-37	Sequence 37, Appl
1040	92	3.6	492	4	US-09-635-872A-19	Sequence 19, Appl	1113	90	3.6	1400	3	US-09-879-957-37	Sequence 37, Appl
1041	92	3.6	492	4	US-09-636-077A-19	Sequence 19, Appl	1114	90	3.6	1833	3	US-08-479-722B-2	Sequence 2, Appl
1042	92	3.6	492	4	US-09-636-060C-19	Sequence 19, Appl	1115	90	3.6	1833	3	US-09-592-685-2	Sequence 2, Appl
1043	92	3.6	492	4	US-09-986-552-19	Sequence 19, Appl	1116	90	3.6	1833	5	PCT-US95-02251-18	Sequence 18, Appl
1044	92	3.6	492	4	US-09-636-586C-19	Sequence 19, Appl	1117	90	3.6	2508	4	US-09-627-650B-7	Sequence 7, Appl
1045	92	3.6	492	4	US-10-023-894-20	Sequence 20, Appl	1118	90	3.6	2508	4	US-09-436-063C-7	Sequence 7, Appl
1046	92	3.6	492	4	US-10-306-686-19	Sequence 19, Appl	1119	89.5	3.5	115	3	US-08-722-126A-8	Sequence 8, Appl
1047	92	3.6	656	4	US-08-933-711B-15	Sequence 15, Appl	1120	89.5	3.5	115	5	PCT-US95-04258-8	Sequence 8, Appl
1048	91.5	3.6	136	2	US-08-560-098A-59	Sequence 59, Appl	1121	89.5	3.5	199	4	US-09-949-016-6129	Sequence 6129, Ap
1049	91.5	3.6	175	4	US-09-252-991A-18125	Sequence 18125, A	1122	89.5	3.5	199	5	PCT-US93-10418-2	Sequence 2, Appl

1123	89.5	3.5	205	4	US-09-949-016-10299	Sequence 10299, A	1196	87	3.4	515	4	US-09-636-596C-6	Sequence 6, Appl
1124	89.5	3.5	575	4	US-09-949-016-11264	Sequence 11264, A	1197	87	3.4	515	4	US-10-023-894-18	Sequence 18, Appl
1125	89.5	3.5	575	4	US-09-949-016-11265	Sequence 11265, A	1198	87	3.4	515	4	US-10-306-686-6	Sequence 6, Appl
1126	89.5	3.5	575	4	US-09-949-016-11266	Sequence 11266, A	1199	87	3.4	898	2	US-08-808-982-5	Sequence 5, Appl
1127	89.5	3.5	575	4	US-09-949-016-11267	Sequence 11267, A	1200	87	3.4	898	3	US-09-306-902A-5	Sequence 5, Appl
1128	89.5	3.5	879	4	US-09-872-733A-16	Sequence 16, Appl	1201	87	3.4	921	4	US-09-699-266A-9	Sequence 9, Appl
1129	89.5	3.5	1036	4	US-09-949-016-6910	Sequence 6910, Ap	1202	87	3.4	956	2	US-08-897-443-3	Sequence 3, Appl
1130	89.5	3.5	1049	4	US-09-949-016-11522	Sequence 11522, A	1203	87	3.4	2544	4	US-09-627-650B-3	Sequence 3, Appl
1131	89	3.5	274	3	US-09-188-930-336	Sequence 336, App	1204	87	3.4	2544	4	US-09-436-053C-3	Sequence 3, Appl
1132	89	3.5	274	3	US-09-312-283C-336	Sequence 336, App	1205	86.5	3.4	347	4	US-09-907-794A-148	Sequence 148, App
1133	89	3.5	430	3	US-08-997-897-2	Sequence 2, Appl	1206	86.5	3.4	347	4	US-09-905-125A-148	Sequence 148, App
1134	89	3.5	430	3	US-09-156-836B-2	Sequence 2, Appl	1207	86.5	3.4	347	4	US-09-902-775A-148	Sequence 148, App
1135	89	3.5	574	4	US-09-248-796A-15283	Sequence 15283, A	1208	86.5	3.4	347	4	US-09-906-700A-148	Sequence 148, App
1136	89	3.5	615	2	US-08-663-566A-17	Sequence 17, Appl	1209	86.5	3.4	347	4	US-09-903-603A-148	Sequence 148, App
1137	89	3.5	615	2	US-08-023-610-17	Sequence 17, Appl	1210	86.5	3.4	347	4	US-09-904-920A-148	Sequence 148, App
1138	89	3.5	615	2	US-08-288-065A-17	Sequence 17, Appl	1211	86.5	3.4	347	4	US-09-909-064A-148	Sequence 148, App
1139	89	3.5	615	2	US-08-362-240A-17	Sequence 17, Appl	1212	86.5	3.4	347	4	US-09-905-381A-148	Sequence 148, App
1140	89	3.5	615	5	PCT-US95-10245-17	Sequence 17, Appl	1213	86.5	3.4	347	4	US-09-906-770A-148	Sequence 148, App
1141	89	3.5	650	1	US-08-325-071-63	Sequence 63, Appl	1214	86.5	3.4	398	4	US-09-252-991A-26217	Sequence 26217, A
1142	89	3.5	650	3	US-08-461-004A-63	Sequence 63, Appl	1215	86.5	3.4	554	4	US-10-136-227A-30	Sequence 30, Appl
1143	89	3.5	746	4	US-09-589-892B-2	Sequence 2, Appl	1216	86.5	3.4	554	4	US-09-981-649A-30	Sequence 30, Appl
1144	89	3.5	1342	1	US-07-978-895-4	Sequence 4, Appl	1217	86.5	3.4	2601	4	US-09-627-650B-9	Sequence 9, Appl
1145	89	3.5	1342	2	US-08-473-119-4	Sequence 4, Appl	1218	86.5	3.4	2601	4	US-09-436-063C-9	Sequence 9, Appl
1146	89	3.5	1342	2	US-08-475-352-4	Sequence 4, Appl	1219	86	3.4	119	1	US-08-468-347-20	Sequence 20, Appl
1147	89	3.5	1342	4	US-09-170-699-4	Sequence 4, Appl	1220	86	3.4	119	1	US-08-226-264-24	Sequence 24, Appl
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1463 82 3.2 111 6 5514582-20 Patent No. 5514582
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1469 82 3.2 395 4 US-09-270-767-43034 Sequence 43034, A
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1486 82 3.2 1245 3 US-09-102-248-6 Sequence 6, Appl
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1489 81.5 3.2 156 3 US-08-600-982-30 Sequence 30, Appl
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1491 81.5 3.2 175 2 US-08-822-261-1 Sequence 1, Appl
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1495 81.5 3.2 193 4 US-09-252-991A-31074 Sequence 31074, A
1496 81.5 3.2 387 4 US-09-489-039A-9584 Sequence 9584, Ap
1497 81.5 3.2 425 4 US-09-949-016-11538 Sequence 11538, A
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1500 81.5 3.2 765 4 US-09-949-016-10117 Sequence 10117, A

ALIGNMENTS

RESULT 1
US-09-866-028-50
; Sequence 50, Application US/09866028
; Patent No. 8642360
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Botstein, David
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fillaroff, Ellen
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Kljavin, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Roy, Margaret
; APPLICANT: Tamas, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P2540P1C1
; CURRENT APPLICATION NUMBER: US/09/866,028
; CURRENT FILING DATE: 2001-05-25
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 120
; SEQ ID NO 50
; LENGTH: 455
; TYPE: PRT
; ORGANISM: Homo Sapien
US-09-866-028-50

Query Match 100.0%; Score 2529; DB 4; Length 455;
Best Local Similarity 100.0%; Pred. No. 1.3e-218;
Matches 455; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MLHPETSPGRGHLLAVLLALIGTTVAEVPVPPQEQAPMAGALNRKESFLLLSLHRLRS 60
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Db 421 QASAFNNDQCKTRNRYICQFAQEHISRMGPGS 455

RESULT 2

US-09-944-457-50
Sequence 50, Application US/09944457

Patent No. 6734288

GENERAL INFORMATION:

APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul
APPLICANT: Grimaldi, Christopher
APPLICANT: Gurney, Austin
APPLICANT: Hillan, Kenneth
APPLICANT: Kljavin, Ivar
APPLICANT: Napier, Mary
APPLICANT: Roy, Margaret
APPLICANT: Tumas, Daniel
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
ACIDS ENCODING THE SAME

FILE REFERENCE: P2548PICI
CURRENT APPLICATION NUMBER: US/09/944,457

CURRENT FILING DATE: 2001-09-26

PRIOR APPLICATION NUMBER: 09/866,028

PRIOR FILING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: 60/067,411

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PRIOR APPLICATION NUMBER: 60/069,334

PRIOR FILING DATE: December 11, 1997

PRIOR APPLICATION NUMBER: 60/069,335

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PRIOR APPLICATION NUMBER: 60/069,278

PRIOR FILING DATE: December 11, 1997

PRIOR APPLICATION NUMBER: 60/069,425

PRIOR FILING DATE: December 12, 1997

PRIOR APPLICATION NUMBER: 60/069,696

PRIOR FILING DATE: December 16, 1997

PRIOR APPLICATION NUMBER: 60/069,694

PRIOR FILING DATE: December 16, 1997

PRIOR APPLICATION NUMBER: 60/069,702

PRIOR FILING DATE: December 16, 1997

PRIOR APPLICATION NUMBER: 60/069,870

PRIOR FILING DATE: December 17, 1997

PRIOR APPLICATION NUMBER: 60/069,873

PRIOR FILING DATE: December 17, 1997

PRIOR APPLICATION NUMBER: 60/068,017

PRIOR FILING DATE: December 18, 1997

PRIOR APPLICATION NUMBER: 60/070,440

PRIOR FILING DATE: January 5, 1998

PRIOR APPLICATION NUMBER: 60/074,086

PRIOR FILING DATE: February 9, 1998

PRIOR APPLICATION NUMBER: 60/074,092

PRIOR FILING DATE: February 9, 1998

PRIOR APPLICATION NUMBER: 60/075,945

PRIOR FILING DATE: February 25, 1998
PRIOR APPLICATION NUMBER: 60/112,850
PRIOR FILING DATE: December 16, 1998
PRIOR APPLICATION NUMBER: 60/113,296
PRIOR FILING DATE: December 22, 1998
PRIOR APPLICATION NUMBER: 60/146,222
PRIOR FILING DATE: July 28, 1999
PRIOR APPLICATION NUMBER: PCT/US98/19330
PRIOR FILING DATE: September 15, 1998
PRIOR APPLICATION NUMBER: PCT/US98/25108
PRIOR FILING DATE: December 1, 1998
PRIOR APPLICATION NUMBER: 09/216,021
PRIOR FILING DATE: December 16, 1998
PRIOR APPLICATION NUMBER: 09/218,517
PRIOR FILING DATE: December 22, 1998
PRIOR APPLICATION NUMBER: 09/254,311
PRIOR FILING DATE: March 3, 1999
PRIOR APPLICATION NUMBER: PCT/US99/12252
PRIOR FILING DATE: June 22, 1999
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: September 15, 1999
PRIOR APPLICATION NUMBER: PCT/US99/28409
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PRIOR APPLICATION NUMBER: PCT/US99/28313
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PRIOR APPLICATION NUMBER: PCT/US99/28301
PRIOR FILING DATE: December 1, 1999
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: December 16, 1999
PRIOR APPLICATION NUMBER: PCT/US00/03565
PRIOR FILING DATE: February 11, 2000
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: February 22, 2000
PRIOR APPLICATION NUMBER: PCT/US00/05841
PRIOR FILING DATE: March 2, 2000
PRIOR APPLICATION NUMBER: PCT/US00/08439
PRIOR FILING DATE: March 30, 2000
PRIOR APPLICATION NUMBER: PCT/US00/14042
PRIOR FILING DATE: May 22, 2000
PRIOR APPLICATION NUMBER: PCT/US00/20710
PRIOR FILING DATE: July 28, 2000
PRIOR APPLICATION NUMBER: PCT/US00/32678
PRIOR FILING DATE: December 1, 2000
PRIOR APPLICATION NUMBER: PCT/US01/06520
PRIOR FILING DATE: February 28, 2001
NUMBER OF SEQ ID NOS: 120
SEQ ID NO 50
LENGTH: 455
TYPE: PRT
ORGANISM: Homo Sapien
US-09-944-457-50

Query Match 100.0%; Score 2529; DB 4; Length 455;

Best Local Similarity 100.0%; Pred. No. 1.3e-218;

Matches 455; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLHPETSPGRGHLLAVLLALGTTTAEVWPQLOEQAPMAGALNRKESFLLLSLHNRLS 60
Db 1 MLHPETSPGRGHLLAVLLALGTTTAEVWPQLOEQAPMAGALNRKESFLLLSLHNRLS 60
Qy 61 WVQPPADMRDLWSDSLAQARALCCGPTTSLASGLWRTIQVGNMQLLPAGLASF 120
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